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# Section 1

## Safety Information

Throughout this manual and on machine decals, you will find precautionary statements (“CAUTION,” “WARNING,” and “DANGER”) followed by specific instructions. These precautions are intended for the personal safety of the operator, user, servicer, and those maintaining the machine.

### DANGER

Danger indicates the presence of a hazard that **will** cause **severe** personal injury, death, or substantial property damage if the danger is ignored.

### WARNING

Warning indicates the presence of a hazard that **can** cause **severe** personal injury, death, or substantial property damage if the warning is ignored.

### CAUTION

Caution indicates the presence of a hazard that **will** or **can** cause **minor** personal injury or property damage if the caution is ignored.

Additional precautionary statements (“IMPORTANT” and “NOTE”) are followed by specific instructions.

### IMPORTANT

The word “IMPORTANT” is used to inform the reader of specific procedures where minor machine damage will occur if the procedure is not followed.

### NOTE

The word “NOTE” is used to communicate installation, operation, maintenance or servicing information that is important but not hazard related.

In the interest of safety, some general precautions relating to the operation of this machine follow.



## WARNING

- **Failure to install, maintain, and/or operate this product according to the manufacturer’s instructions may result in conditions which can produce serious injury, death and/or property damage.**
- **Do not repair or replace any part of the product or attempt any servicing unless specifically recommended or published in this Service Manual and that you understand and have the skills to carry out.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the product is properly grounded and to reduce the risk of fire, electric shock, serious injury, or death.**

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## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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## WARNING

Repairs that are made to your products by unqualified persons can result in hazards due to improper assembly or adjustments subjecting you, or the inexperienced person making such repairs, to the risk of serious injury, electrical shock, or death.

W007



## WARNING

If you or an unqualified person perform service on your product, you must assume the responsibility for any personal injury or property damage which may result. The manufacturer will not be responsible for any injury or property damage arising from improper service and/or service procedures.

W008

**NOTE:** The WARNINGS and IMPORTANT INSTRUCTIONS appearing in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution and care must be exercised when installing, maintaining or operating the dryer.

Always contact your dealer, distributor, service agent or the manufacturer about any problems or conditions you do not understand.

### Locating an Authorized Servicer

Alliance Laundry Systems is not responsible for personal injury or property damage resulting from improper service. Review all service information before beginning repairs.

Warranty service must be performed by an authorized technician, using authorized factory parts. If service is required after the warranty expires, Alliance Laundry Systems also recommends contacting an authorized technician and using authorized factory parts.

# Section 2

## Introduction

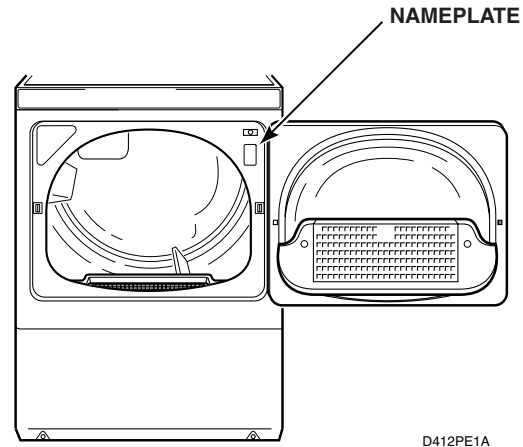
### Customer Service

If literature or replacement parts are required, contact the source from whom the machine was purchased or contact Alliance Laundry Systems at (920) 748-3950 for the name and address of the nearest authorized parts distributor.

For technical assistance, call (920) 748-3121.

### Nameplate Location

When calling or writing about your product, be sure to mention model and serial numbers. Model and serial numbers are located on nameplate(s) as shown.



# Model Identification

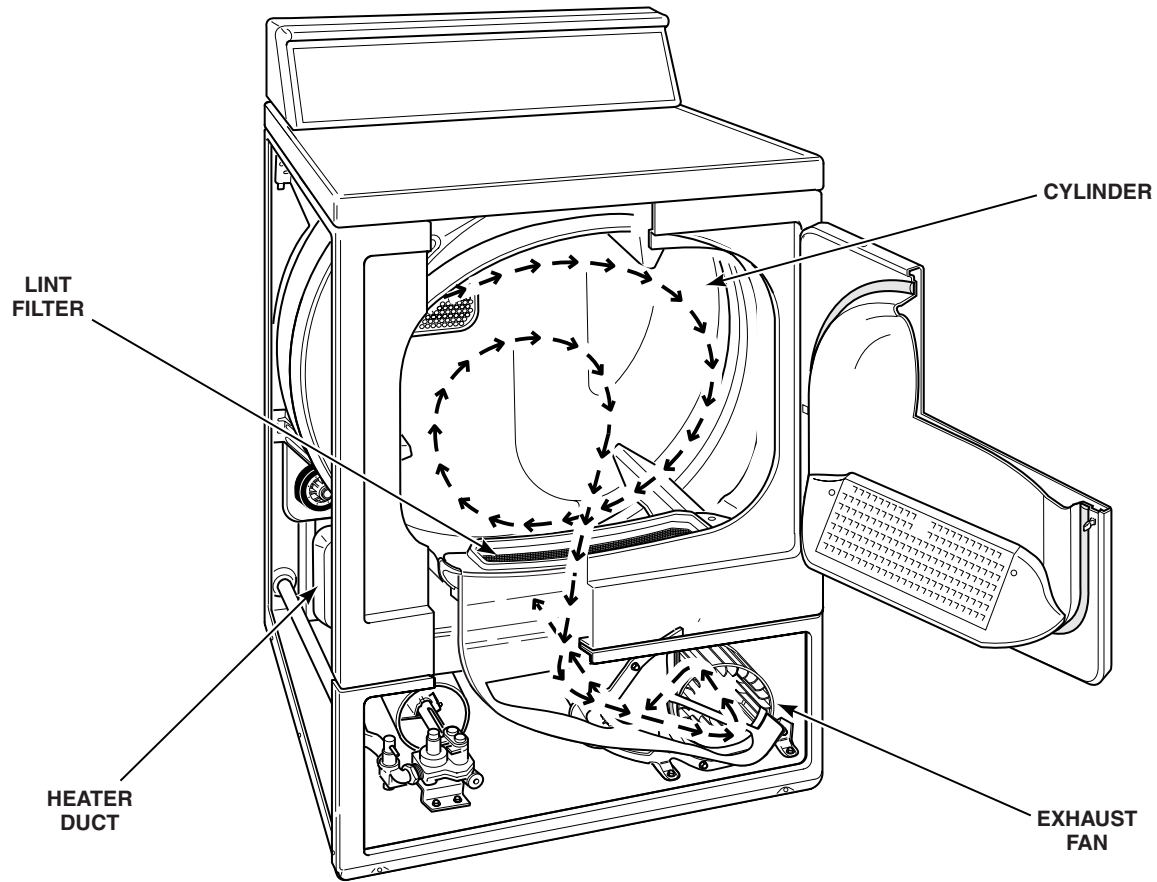
Information in this manual is applicable to these dryers:

Dryer Model	Homestyle	Electric Heat	Gas Heat
LEB07A*F1709	X	X	
LEG37A*F4350	X	X	
LEH37A*F3300	X	X	
LEK37A*F4350	X	X	
LES17A*F	X	X	
LES17A*F1500	X	X	
LES17A*F3000	X	X	
LES17A*F4500	X	X	
LES33A*F4562	X	X	
LES37A*F	X	X	
LES37A*F3000	X	X	
LES37A*F3300	X	X	
LES37A*F4350	X	X	
LES37A*G3018	X	X	
LEY47A*F1709	X	X	
LEZ37A*F3000	X	X	
LEZ37A*G3018	X	X	
LEZ37A*F1702	X	X	
LEZ57A*F1702	X	X	
LEZ67A*F1702	X	X	
LGG37A*F3058	X		X
LGH37A*F1182	X		X
LGK37A*F3058	X		X
LGS17A*F	X		X
LGS17A*F1180	X		X
LGS17A*F3020	X		X
LGS17A*K1180	X		X
LGS17A*F3081	X		X
LGS37A*F	X		X
LGS37A*F3000	X		X
LGS37A*F3058	X		X
LGS37A*F3080	X		X
LGS37A*G3013	X		X
LGS37A*G3080	X		X
LGY47A*F1109	X		X
LGZ37A*F3000	X		X
LGZ37A*G3013	X		X
LGZ37A*F1102	X		X
LGZ57A*F1102	X		X
LGZ67A*F1102	X		X

\* Add Letter To Designate Color. L – Almond W – White



# How Your Dryer Works



D445SE3A

The dryer uses heated air to dry loads of laundry. When the motor is started, the exhaust fan pulls room temperature air in through louvers at the rear of the dryer and over the heat source (burner flame for gas and heating element for electric). The heated air moves through the heater duct and into the cylinder, where it circulates through the wet load. The air then passes through the lint filter, air duct, and exhaust fan, where it is vented to the outdoors.

## Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# Section 3

## Troubleshooting



### WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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**IMPORTANT:** Refer to appropriate Model Wiring Diagram for aid in testing dryer components.

#### 1. MOTOR DOES NOT RUN

POSSIBLE CAUSE	TO CORRECT
Electrical power off, fuse blown, or power cord not plugged in.	<ul style="list-style-type: none"> <li>• Check laundry room for blown or loose fuse(s), or open circuit breaker(s). The dryer itself does not have an electrical fuse.</li> <li>• Check both fuses for electric models.</li> </ul>
Loading door not closed.	<ul style="list-style-type: none"> <li>• Close door.</li> </ul>
Inoperative door switch.	<ul style="list-style-type: none"> <li>• Test switch and replace if inoperative.</li> </ul>
Timer improperly set.	<ul style="list-style-type: none"> <li>• Reset timer, or try another cycle.</li> </ul>
Inoperative timer.	<ul style="list-style-type: none"> <li>• Test timer and replace if inoperative.</li> </ul>
Motor starting functions inoperative. Doesn't start; or motor just hums.	<ul style="list-style-type: none"> <li>• Refer to <i>Paragraph 43</i> to check motor switch and motor windings.</li> </ul>
Motor won't run.	<ul style="list-style-type: none"> <li>• Refer to <i>Paragraph 43</i> to check motor switch, motor windings, and main windings.</li> </ul>
Motor overload protector has cycled.	<ul style="list-style-type: none"> <li>• Wait two or three minutes for overload protector to reset. If protector cycles repeatedly, refer to <i>Paragraph 2</i>.</li> </ul>
Motor centrifugal switch sticky or plugged with lint.	<ul style="list-style-type: none"> <li>• Remove dust or lint and spray with "SLYDE," No. 131P4, to clean and lubricate.</li> </ul>
Bind in motor bearing.	<ul style="list-style-type: none"> <li>• Remove belts and determine if motor shaft will spin.</li> <li>• Replace motor if shaft is hard to turn.</li> </ul>
Loose motor wire harness connection block.	<ul style="list-style-type: none"> <li>• Firmly press connection block onto motor switch.</li> </ul>
Broken, loose, or incorrect wiring.	<ul style="list-style-type: none"> <li>• Refer to wiring diagram.</li> </ul>
Power cord is miswired.	<ul style="list-style-type: none"> <li>• Refer to wiring diagram for the correct wiring.</li> </ul>



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### 2. UNIT STOPS IN CYCLE; QUILTS AFTER THE FIRST FEW LOADS; HAS A BURNING SMELL; CYCLES ON MOTOR THERMAL PROTECTOR

POSSIBLE CAUSE	TO CORRECT
Incorrect voltage.	<ul style="list-style-type: none"> <li>• Refer to nameplate in door well for correct voltage.</li> <li>• Refer to <i>Installation Instructions</i> (supplied with dryer) for electrical requirements.</li> </ul>
Clothes load too large.	<ul style="list-style-type: none"> <li>• Remove part of load. Maximum load: dryer cylinder one half full of wet clothes.</li> </ul>
Clothes cylinder is binding.	<ul style="list-style-type: none"> <li>• Check cylinder for binding and “out of round” condition.</li> <li>• Check front and rear bulkheads for warping.</li> <li>• Check support rollers for binding.</li> <li>• Check cylinder seals and glides for wear or damage.</li> <li>• Check for clothes lodged between cylinder baffle and bulkhead.</li> </ul>
Broken, loose or incorrect wiring.	<ul style="list-style-type: none"> <li>• Refer to wiring diagram.</li> </ul>
Motor switch functions inoperative. Short in motor winding.	<ul style="list-style-type: none"> <li>• Refer to <i>Paragraph 43</i> to check switch and windings.</li> </ul>
Clothes caught in fan.	<ul style="list-style-type: none"> <li>• Check fan for obstruction.</li> </ul>



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### 3. MOTOR RUNS BUT CYLINDER DOES NOT TURN

POSSIBLE CAUSE	TO CORRECT
Motor drive pulley loose.	• Tighten pulley.
Belt not installed on pulley.	• Install belt. Refer to <i>Figure 20</i> .
Broken cylinder belt.	• Replace belt.
Clothes cylinder is binding.	<ul style="list-style-type: none"> <li>• Check cylinder for binding and “out of round” condition.</li> <li>• Check front and rear bulkheads for warping.</li> <li>• Check cylinder rollers for binding.</li> <li>• Check cylinder seals and glides for wear or damage.</li> </ul>
Broken, weak or disconnected idler lever spring.	• Replace or reconnect spring. Refer to <i>Figure 21</i> .
Belt routed on wrong side of idler lever.	• Reroute belt. Refer to <i>Figure 20</i> .
Oil on cylinder.	• Wipe oil from cylinder.
Belt is “inside out.”	• Reinstall belt with ribbed surface against cylinder.
Idler arm is binding.	<ul style="list-style-type: none"> <li>• Add grease between idler arm and motor mount.</li> <li>• Replace idler arm and bolt if needed.</li> </ul>
Dryer is overloaded.	• Remove some laundry from dryer.
Wrong motor.	• Refer to parts manual for correct motor part number.
Wrong belt used on dryer.	<ul style="list-style-type: none"> <li>• Check belt part number against correct part number in the Parts manual.</li> <li>• Replace belt if needed.</li> </ul>
Bent idler arm.	• Replace idler arm.

### 4. MOTOR DOES NOT STOP

POSSIBLE CAUSE	TO CORRECT
Incorrect wiring to motor switch.	• Refer to wiring diagram.
Motor centrifugal switch sticky or plugged with lint.	• Remove dust or lint and spray with “SLYDE,” Part No. 131P4, to clean and lubricate.
Inoperative door switch.	• Test switch and replace if inoperative.
Inoperative timer.	• Test timer and replace if inoperative.



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### 5. HEATING ASSEMBLY DOES NOT HEAT OR BURNER DOES NOT IGNITE

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system.	<ul style="list-style-type: none"> <li>• Refer to <i>Installation Instructions</i> (supplied with dryer) for exhaust requirements.</li> </ul>
Use of plastic or thin foil exhaust duct.	<ul style="list-style-type: none"> <li>• Replace with rigid or semi-rigid metal exhaust duct.</li> </ul>
Blown house fuse or tripped circuit breaker.	<ul style="list-style-type: none"> <li>• Check fuses or circuit breakers. A 240 Volt dryer with two live lines uses two fuses. Make sure both fuses are good.</li> </ul>
Temperature selector switch set at FLUFF, or inoperative.	<ul style="list-style-type: none"> <li>• Reset or test switch and replace if inoperative.</li> </ul>
Timer improperly set (set in a cool-down period, or a no heat cycle).	<ul style="list-style-type: none"> <li>• Reset timer. Try another cycle.</li> </ul>
Inoperative limit thermostat.	<ul style="list-style-type: none"> <li>• Test thermostat and replace if inoperative.</li> </ul>
Inoperative drive motor switch.	<ul style="list-style-type: none"> <li>• Test switch and replace if inoperative.</li> </ul>
Electric Models: Inoperative heater assembly.	<ul style="list-style-type: none"> <li>• Test heater assembly and replace if cold Ohms do not read between 9 and 10.5 Ohms.</li> </ul>
Electric Models: Inoperative thermal fuse.	<ul style="list-style-type: none"> <li>• Test thermal fuse and replace if inoperative.</li> </ul>
Gas Models: Insufficient gas supply.	<ul style="list-style-type: none"> <li>• Check gas shut-off valve in dryer and main gas line valve.</li> <li>• Open partially closed gas shut-off valve, or correct low gas pressure.</li> </ul>
Gas Models: Inoperative gas valve coils.	<ul style="list-style-type: none"> <li>• Test coils (<i>Paragraph 37</i>) and replace if inoperative.</li> </ul>
Gas Models: Inoperative sensor.	<ul style="list-style-type: none"> <li>• Test sensor (<i>Paragraph 37</i>) and replace if inoperative.</li> </ul>
Gas Models: Inoperative igniter.	<ul style="list-style-type: none"> <li>• Test igniter (<i>Paragraph 37</i>) and replace if inoperative.</li> </ul>
Gas Models: Harness not properly connected to gas controls.	<ul style="list-style-type: none"> <li>• Check harness connections to gas valve coils, sensor and main harness.</li> <li>• Reconnect as required.</li> </ul>
Gas Models: Restricted gas flow in gas orifice.	<ul style="list-style-type: none"> <li>• Clean out gas orifice.</li> </ul>
Some Gas Models: Tripped high limit thermostat.	<ul style="list-style-type: none"> <li>• Reset thermostat.</li> </ul>
Inoperative cycling thermostat.	<ul style="list-style-type: none"> <li>• Test thermostat and replace if inoperative.</li> </ul>
Inoperative timer.	<ul style="list-style-type: none"> <li>• Test timer and replace if inoperative.</li> </ul>
Broken, loose, or incorrect wiring.	<ul style="list-style-type: none"> <li>• Refer to wiring diagram.</li> </ul>



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### 6. IGNITER DOES NOT GLOW (Gas Supply Sufficient) (Gas Models)

POSSIBLE CAUSE	TO CORRECT
No power to power leads on valve.	<ul style="list-style-type: none"> <li>• Check timer, selector switch, thermostats, motor switch, and wiring.</li> </ul>
Sensor failed with contacts open.	<ul style="list-style-type: none"> <li>• Replace sensor.</li> </ul>
Igniter broken or open.	<ul style="list-style-type: none"> <li>• Replace igniter.</li> </ul>

### 7. BURNER IGNITES AND GOES OUT REPEATEDLY (Gas Models)

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system. Weather hood flapper restricted.	<ul style="list-style-type: none"> <li>• Refer to <i>Installation Instructions</i> (supplied with dryer) for exhaust requirements.</li> </ul>
Silicon Carbide Ignition: Burner heat not holding sensor contacts open.	<ul style="list-style-type: none"> <li>• Replace sensor, or correct gas supply problem.</li> </ul>
Insufficient gas supply.	<ul style="list-style-type: none"> <li>• Check gas supply and pressure.</li> <li>• Make sure gas shut-off valve is turned on.</li> </ul>
Cracked igniter.	<ul style="list-style-type: none"> <li>• Replace igniter and bracket.</li> </ul>
Inoperative or intermittent gas valve coils.	<ul style="list-style-type: none"> <li>• Check coils (<i>Paragraph 37</i>) and replace appropriate coils.</li> </ul>

### 8. IGNITER GLOWS BUT BURNER DOES NOT IGNITE (Gas Models)

POSSIBLE CAUSE	TO CORRECT
Silicon Carbide Ignition: Sensor failed in closed position.	<ul style="list-style-type: none"> <li>• Replace sensor.</li> </ul>
Open secondary coil or holding coil.	<ul style="list-style-type: none"> <li>• Replace gas valve (in-warranty), or replace coils (out-of-warranty). Refer to <i>Paragraph 37</i>.</li> </ul>
Insufficient gas supply.	<ul style="list-style-type: none"> <li>• Check gas supply and pressure.</li> <li>• Make sure gas shut-off valve is turned on.</li> </ul>
Igniter and bracket installed improperly on burner tube assembly.	<ul style="list-style-type: none"> <li>• Loosen screw and properly position igniter and bracket on burner tube assembly.</li> </ul>
Silicon Carbide Ignition: Sensor installed improperly on burner housing.	<ul style="list-style-type: none"> <li>• Loosen screw and properly position the sensor on the burner housing.</li> </ul>



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- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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### 9. HEATER ASSEMBLY OR BURNER SHUTS OFF PREMATURELY

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system. Weather hood flapper restricted.	<ul style="list-style-type: none"> <li>• Refer to <i>Installation Instructions</i> (supplied with dryer) for exhaust requirements.</li> </ul>
Gas Models: Insufficient gas supply.	<ul style="list-style-type: none"> <li>• Check main gas line shut-off valve.</li> <li>• Open partially closed gas shut-off valve, or correct low pressure.</li> </ul>
Gas Models: Dryer not properly equipped for type of gas used.	<ul style="list-style-type: none"> <li>• Refer to “Gas Burner Conversion Procedures” supplied in gas burner conversion kit.</li> </ul>
Gas Models: Improperly adjusted burner flame.	<ul style="list-style-type: none"> <li>• Adjust flame. Refer to <i>Paragraph 55</i>.</li> </ul>
Cycling off on limit thermostat.	<ul style="list-style-type: none"> <li>• Momentarily connect a jumper wire across thermostat terminals. If heater element heats or burner ignites when jumper wire is connected, refer to <i>Paragraph 10</i>.</li> </ul>
Gas models: Sensor contact closing.	<ul style="list-style-type: none"> <li>• Replace sensor (<i>Paragraph 37</i>, step “d”) or adjust burner flame. Refer to <i>Paragraph 55</i>.</li> </ul>
Inoperative cycling thermostat.	<ul style="list-style-type: none"> <li>• Test thermostat and replace if inoperative.</li> </ul>
Inoperative timer.	<ul style="list-style-type: none"> <li>• Test timer and replace if inoperative.</li> </ul>
Broken, loose, or incorrect wiring.	<ul style="list-style-type: none"> <li>• Refer to wiring diagram.</li> </ul>

### 10. HEATER ASSEMBLY OR BURNER REPEATEDLY CYCLES OFF ON LIMIT THERMOSTAT

POSSIBLE CAUSE	TO CORRECT
External exhaust system longer or providing greater restriction than recommended.	<ul style="list-style-type: none"> <li>• Refer to INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust system requirements.</li> </ul>
Use of plastic or thin foil exhaust duct.	<ul style="list-style-type: none"> <li>• Replace with rigid or semi-rigid metal exhaust duct.</li> </ul>
Clogged lint filter.	<ul style="list-style-type: none"> <li>• Clean lint filter.</li> </ul>
Lint in internal dryer ductwork.	<ul style="list-style-type: none"> <li>• Disassemble dryer ductwork and clean.</li> </ul>
Lint or other obstruction in external exhaust system.	<ul style="list-style-type: none"> <li>• Disassemble and clean exhaust system.</li> </ul>
Hinged damper on exhaust system weather hood not free to open.	<ul style="list-style-type: none"> <li>• Free hinged damper or replace weather hood.</li> </ul>
Limit thermostat cycling at too low a temperature.	<ul style="list-style-type: none"> <li>• Replace thermostat. Refer to <i>Paragraph 39</i>.</li> </ul>
Air leak around loading door. (Door not sealing due to damaged seal or inoperative door catch.)	<ul style="list-style-type: none"> <li>• Replace seal or catch.</li> </ul>
Air leak at blower seal.	<ul style="list-style-type: none"> <li>• Check and replace seal if necessary.</li> </ul>
Air leak at cylinder seal(s).	<ul style="list-style-type: none"> <li>• Check and replace seal(s) if necessary.</li> </ul>





## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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### 11. HEATER ASSEMBLY OR BURNER DOES NOT SHUT OFF

POSSIBLE CAUSE	TO CORRECT
Improper motor switch. (Timer must be in a heat setting.)	<ul style="list-style-type: none"> <li>• Test switch and replace if inoperative.</li> </ul>
Motor does not stop.	<ul style="list-style-type: none"> <li>• Refer to <i>Paragraph 4</i>.</li> </ul>
Incorrect wiring.	<ul style="list-style-type: none"> <li>• Refer to wiring diagram.</li> </ul>
Heater assembly shorted.	<ul style="list-style-type: none"> <li>• Remove heater assembly and check for short.</li> </ul>

### 12. CLOTHES DO NOT DRY

POSSIBLE CAUSE	TO CORRECT
Heater assembly does not heat or burner does not ignite.	<ul style="list-style-type: none"> <li>• Refer to <i>Paragraph 5</i>.</li> </ul>
Too much water in articles being dried.	<ul style="list-style-type: none"> <li>• Remove excess water.</li> </ul>
Laundry load too large.	<ul style="list-style-type: none"> <li>• Remove part of load. Maximum load: Dryer cylinder one half full of wet clothes.</li> </ul>
Laundry load too small.	<ul style="list-style-type: none"> <li>• Add one or two bath towels to load.</li> </ul>
Excessive lint on lint filter.	<ul style="list-style-type: none"> <li>• Clean lint filter.</li> </ul>
Automatic cycle.	<ul style="list-style-type: none"> <li>• Adjust timer knob to More Dry setting.</li> </ul>
Heat selector switch or timer set on FLUFF or inoperative.	<ul style="list-style-type: none"> <li>• Reset switch or timer, or test and replace the switch or timer if inoperative.</li> </ul>
Improper or inadequate exhaust system.	<ul style="list-style-type: none"> <li>• Refer to <b><i>Installation Instructions</i></b> (supplied with dryer) for exhaust requirements.</li> </ul>
Heater assembly or burner shuts off prematurely.	<ul style="list-style-type: none"> <li>• Refer to <i>Paragraph 9</i>.</li> </ul>
Gas Models: Gas line pressure too high or too low.	<ul style="list-style-type: none"> <li>• If Natural Gas line pressure to dryer exceeds 8 inch water column pressure, or is lower than 4 inch water column, ask Gas Company to correct.</li> </ul>
Improper belt installation (low RPM).	<ul style="list-style-type: none"> <li>• Check for proper installation. Refer to <i>Figure 20</i>.</li> </ul>



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

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- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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### 13. TIMER DOES NOT ADVANCE IN AUTOMATIC CYCLE

POSSIBLE CAUSE	TO CORRECT
Inoperative cycling thermostat.	<ul style="list-style-type: none"> <li>• Test thermostat and replace if inoperative.</li> </ul>
Inoperative resistor (Electric Models).	<ul style="list-style-type: none"> <li>• Test resistor and replace if inoperative.</li> </ul>
Heater assembly does not heat or burner does not ignite.	<ul style="list-style-type: none"> <li>• Refer to <i>Paragraph 5</i>.</li> </ul>
Heater assembly or burner cycles off prematurely.	<ul style="list-style-type: none"> <li>• Refer to <i>Paragraph 9</i>.</li> </ul>
Improper or inadequate exhaust system.	<ul style="list-style-type: none"> <li>• Refer to INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust requirements.</li> </ul>
Drying large load.	<ul style="list-style-type: none"> <li>• Timer will not advance until the load is almost dry.</li> </ul>
Broken, loose or incorrect wiring.	<ul style="list-style-type: none"> <li>• Refer to wiring diagram.</li> </ul>
Timer motor is inoperative.	<ul style="list-style-type: none"> <li>• Select a drying cycle and activate start switch.</li> <li>• Rotate timer knob until signal sounds.</li> <li>• Release timer knob.</li> <li>• Signal should stop within ten minutes. If not, replace timer.</li> </ul>
Inoperative seals (air leaks).	<ul style="list-style-type: none"> <li>• Check and replace any inoperative seals in the following areas:               <ol style="list-style-type: none"> <li>1. Seal between loading door and front panel.</li> <li>2. Seal between front panel and front bulkhead.</li> <li>3. Seal between blower cover and air duct.</li> <li>4. Seal between cylinder and front or rear bulkhead.</li> <li>5. Gap between air duct and filter mounting.</li> </ol> </li> </ul>



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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### 14. CLOTHES ARE TOO HOT WHEN REMOVED FROM DRYER

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system.	<ul style="list-style-type: none"> <li>• Refer to INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust requirements.</li> </ul>
Clothes are removed from dryer before cycle has completed.	<ul style="list-style-type: none"> <li>• Allow the dryer to complete the cycle through the cool-down to the OFF position.</li> </ul>
Inoperative cycling thermostat. Inoperative thermostat heater on the DELICATE setting.	<ul style="list-style-type: none"> <li>• Test cycling thermostat or thermostat heater and replace if inoperative.</li> </ul>
Inoperative timer (not allowing cool-down).	<ul style="list-style-type: none"> <li>• Test timer and replace if inoperative.</li> </ul>
Inoperative seals (air leaks).	<ul style="list-style-type: none"> <li>• Check and replace any inoperative seals in the following areas:               <ol style="list-style-type: none"> <li>1. Seal between loading door and front panel.</li> <li>2. Seal between front panel and front bulkhead.</li> <li>3. Seal between blower cover and air duct.</li> <li>4. Seal between cylinder and front or rear bulkhead.</li> <li>5. Gap between air duct and filter mounting.</li> </ol> </li> </ul>

### 15. IGNITION CONTROL FLASHES

(Figure 1)

**NOTE:** This control will lock-out the igniter after four failed attempts at ignition. **The control can be reset by opening loading door, waiting 1 minute, then closing loading door.** If door is closed before waiting 1 minute, the control will re-enter lockout. The red light will flash a "Flash Code" when the control is in the lock-out mode. The light will flash on for 1/4 second then off for 1/4 second for each number. The pause between flash codes is 2 seconds. These flashes are caused by the control's diagnostic test and can be interpreted by reading the following:

FLASH CODE	POSSIBLE CAUSE	TO CORRECT
<b>Constant Light</b>	Internal failure.	<ul style="list-style-type: none"> <li>• Reset dryer. (Refer to NOTE above.) If condition persists, then replace control.</li> </ul>
<b>One Flash</b>	Air in gas line.	<ul style="list-style-type: none"> <li>• Purge air from gas line.</li> </ul>
	Sensor coated with Aluminum Oxide.	<ul style="list-style-type: none"> <li>• Wipe sensor clean or replace sensor if necessary.</li> </ul>
	Incorrect gas pressure.	<ul style="list-style-type: none"> <li>• Check for correct gas pressure. If gas pressure is incorrect, then contact local gas company.</li> </ul>
	Gas shut-off valve closed.	<ul style="list-style-type: none"> <li>• Open gas shut-off valve.</li> </ul>
<b>Four Flashes</b>	Internal failure.	<ul style="list-style-type: none"> <li>• Reset dryer. If condition persists, then replace control.</li> </ul>
	Loose or disconnected wiring.	<ul style="list-style-type: none"> <li>• Check all wiring leading to, or coming from, the control module for secure connections.</li> </ul>
	Open Igniter/igniter sensing circuit/voltage measurement circuit.	<ul style="list-style-type: none"> <li>• Check igniter and all circuits, replace if necessary.</li> </ul>

(continued)



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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### 15. IGNITION CONTROL FLASHES (continued)

FLASH CODE	POSSIBLE CAUSE	TO CORRECT
<b>Five Flashes</b>	Loose or disconnected wiring.	• Check all wiring leading to, or coming from, the control module for secure connections.
	Inoperative gas valve.	• Check gas valve and replace if necessary.
	Inoperative sensor.	• Replace sensor/igniter.
<b>Six Flashes</b>	Loose or disconnected wiring.	• Check all wiring leading to, or coming from, the control module for secure connections.
	Incorrect wiring.	• Check wiring diagram and make sure dryer is wired correctly.
	Incorrect polarity.	• Contact a professional electrician to check the polarity, and correct any problems.
<b>Seven Flashes</b>	Loose or disconnected wiring.	• Check all wiring leading to, or coming from, the control module for secure connections.
	Sensor and/or appliance not properly grounded.	• Check grounding from control to base, and from lead in cord to dryer.
<b>Rapid Flashing</b>	Incorrect frequency.	• Contact a professional electrician to check the frequency, and correct any problems. Power supply must be 50 – 60 Hz. 2-wire, plus grounding (earth) wire.

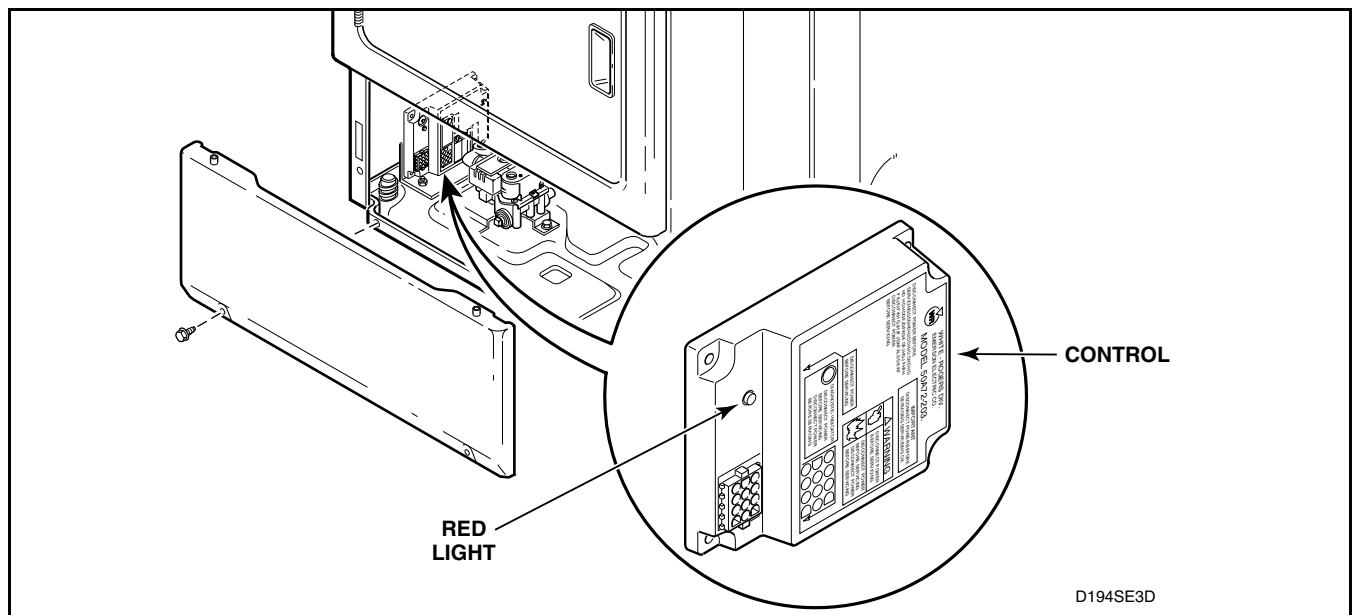


Figure 1

# Section 4 Grounding



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

### 16. GROUND WIRES FROM TERMINAL BLOCK TO REAR BULKHEAD AND FROM REAR BULKHEAD TO CABINET TOP AND CONTROL PANEL (Refer to *Figure 2*).

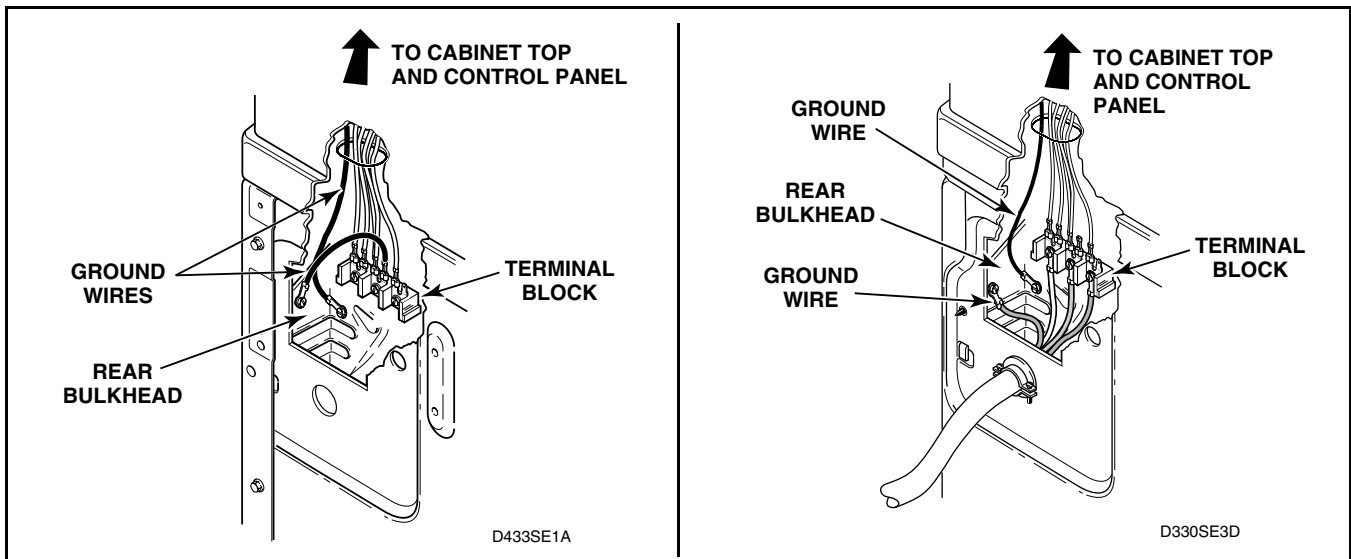


Figure 2

### 17. GROUND WIRES FROM REAR BULKHEAD TO CABINET TOP AND CONTROL PANEL (Refer to *Figure 3*).

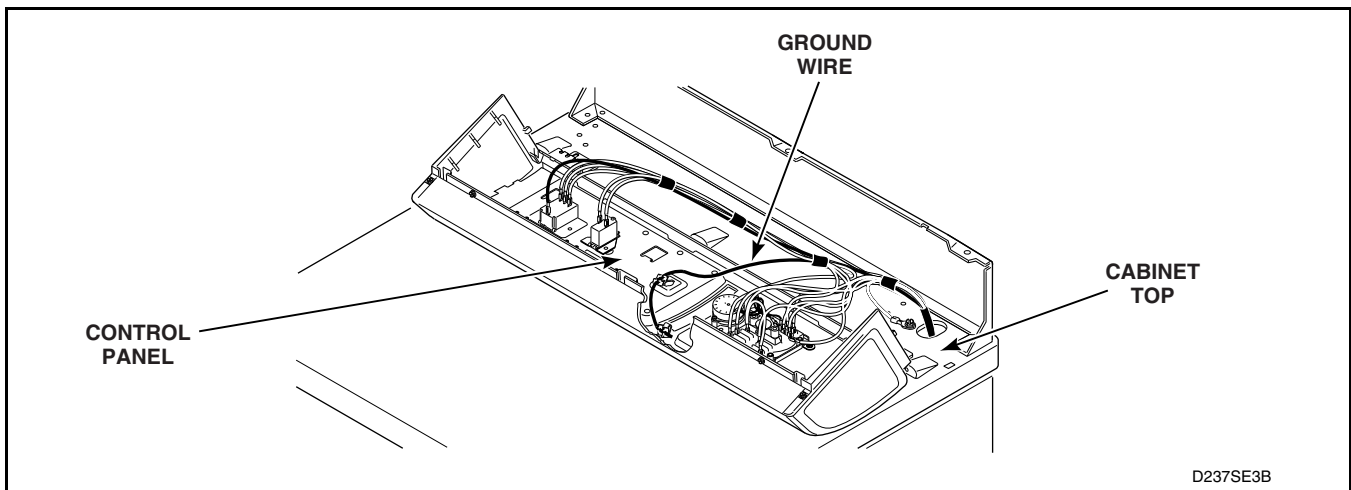


Figure 3

## Notes

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# Section 5

## Service Procedures



### WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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**IMPORTANT:** When reference to direction (right or left) is made in this manual, it is from the operator's position facing the front of the dryer.

#### 18. CONTROL HOOD ASSEMBLY

(Figure 5)

- a. Remove three screws holding control hood assembly to control hood rear panel.
- b. Rotate assembly forward to access inner wiring.
- c. Disconnect wiring from inner components and carefully remove components from control hood assembly.

**NOTE:** Refer to wiring diagram when rewiring component parts.

- d. Rotate control hood assembly forward and lift to free assembly from hold-down clips.

#### 19. CONTROL HOOD END CAPS

(Figure 5)

- a. Remove three screws holding control hood assembly to control hood rear panel.
- b. Rotate assembly forward to access inner wiring.
- c. Disconnect wiring from inner components and carefully remove components from control hood assembly.

**NOTE:** Refer to wiring diagram when rewiring component parts.

- d. Remove two screws holding end cap to end of support control panel.
- e. Carefully pry end cap from support control panel.

**NOTE:** To re-assemble, reverse the steps.

#### 20. GRAPHIC PANEL

(Figure 5)

- a. Carefully pull switch knobs and timer knob off shafts.
- b. Remove three screws holding control hood assembly to control hood rear panel.
- c. Rotate assembly forward to access inner wiring.
- d. Disconnect wiring from inner components and carefully remove components from control hood assembly.

**NOTE:** Refer to wiring diagram when rewiring component parts.

- e. Remove three screws holding top cover to support control panel. Rotate top cover forward.
- f. Remove screws holding end caps to support control panel and pry off caps.
- g. With graphic panel facing forward, rotate control hood assembly forward to access tabs holding graphic panel.
- h. Bend graphic panel tabs straight out toward rear of hood and pull panel away from support control panel.

**NOTE:** To re-assemble, reverse the steps.



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

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- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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### 21. TIMER

(Figure 5)

- Pull timer knob off timer shaft.
- Remove the three screws holding the control assembly to the control hood rear panel.
- Rotate assembly forward to access inner wiring.
- Disconnect wiring from timer and carefully remove timer from control hood assembly.

**NOTE: Refer to wiring diagram when rewiring component parts.**

- Remove two screws holding timer to support control panel.

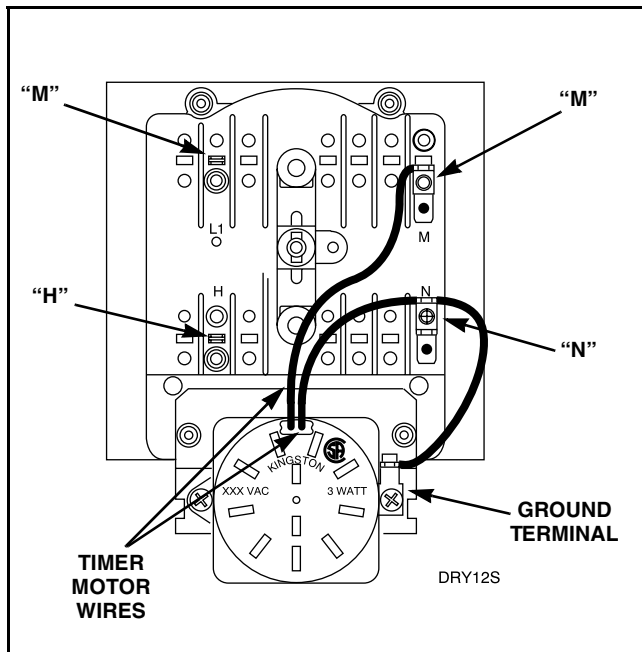


Figure 4

#### To Test Timer Contacts:

(Figure 4)

1. Disconnect wires from timer, except timer motor wires.

**NOTE: Refer to appropriate wiring diagram when rewiring timer.**

2. Manually rotate timer out of "OFF" position and into cycle.
3. Set test meter to read Ohms. The following readings should be found:
  - a. Motor circuit test – L1 and M = "zero" Ohms (closed)
  - b. Heat circuit test – L2 and H = "zero" Ohms (closed)
  - c. Timer motor test – T and N = approximately 2460-3100 Ohms or apply live power to timer motor terminals and motor should run.

#### NOTE: Timer Motor Resistance:

120 Volt, 60 Hz	2,460 – 3,100 Ohms
240 Volt	10,900 – 13,000 Ohms
24 Volt	80 – 130 Ohms

- d. Rotate timer to "cooldown" (5 minutes before "OFF"). "Infinite" (open) reading should be found between L1 and H.
- e. Rotate timer to "OFF" position. "Infinite" (open) reading should be found between L1 and M and between L1 and H.

**NOTE: Timer motor power is supplied through**





## WARNING

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- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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### 22. FABRIC SELECTOR SWITCH

(Figure 5)

- Pull fabric selector switch knob off shaft.
- Remove three screws holding control hood assembly to control hood rear panel.
- Rotate assembly forward to access inner wiring.
- Disconnect wiring from switch and carefully remove switch from control hood assembly.

**NOTE: Refer to wiring diagram when rewiring component parts.**

- Carefully lift locking tab holding fabric selector switch to support control panel.
- With locking tab lifted, rotate fabric selector switch counterclockwise 1/4 turn and remove switch out rear of support control panel.

### 23. SIGNAL

(Figure 5)

- Carefully pull signal knob off shaft.
- Remove three screws holding control hood assembly to control hood rear panel.
- Rotate assembly forward to access inner wiring.
- Disconnect wires to the signal.

**NOTE: Refer to wiring diagram when rewiring component parts.**

- With locking tab lifted, rotate signal counterclockwise 1/4 turn and remove signal out rear of support control panel.

#### To Test Fabric Selector Switch:

**NOTE: Refer to proper model wiring diagram when rewiring switch.**

- Set test meter to read Ohms and apply meter probes to switch terminals.

**NOTE: Refer to proper model wiring diagram when reconnecting wires.**

FABRIC SELECTOR SWITCH – 4 Position		
	L1-1	L1-2
Fluff	–	–
Delicate	X	X
Perm. Press	–	X
Normal	–	X
X indicates closed		

#### FABRIC SELECTOR SWITCH – 3 Position

	L1-2	L1-3	L1-1
Fluff (No Heat)	–	X	–
Delicate	X	–	X
Perm. Press	X	–	–
Normal (Regular)	X	–	–
X indicates closed			

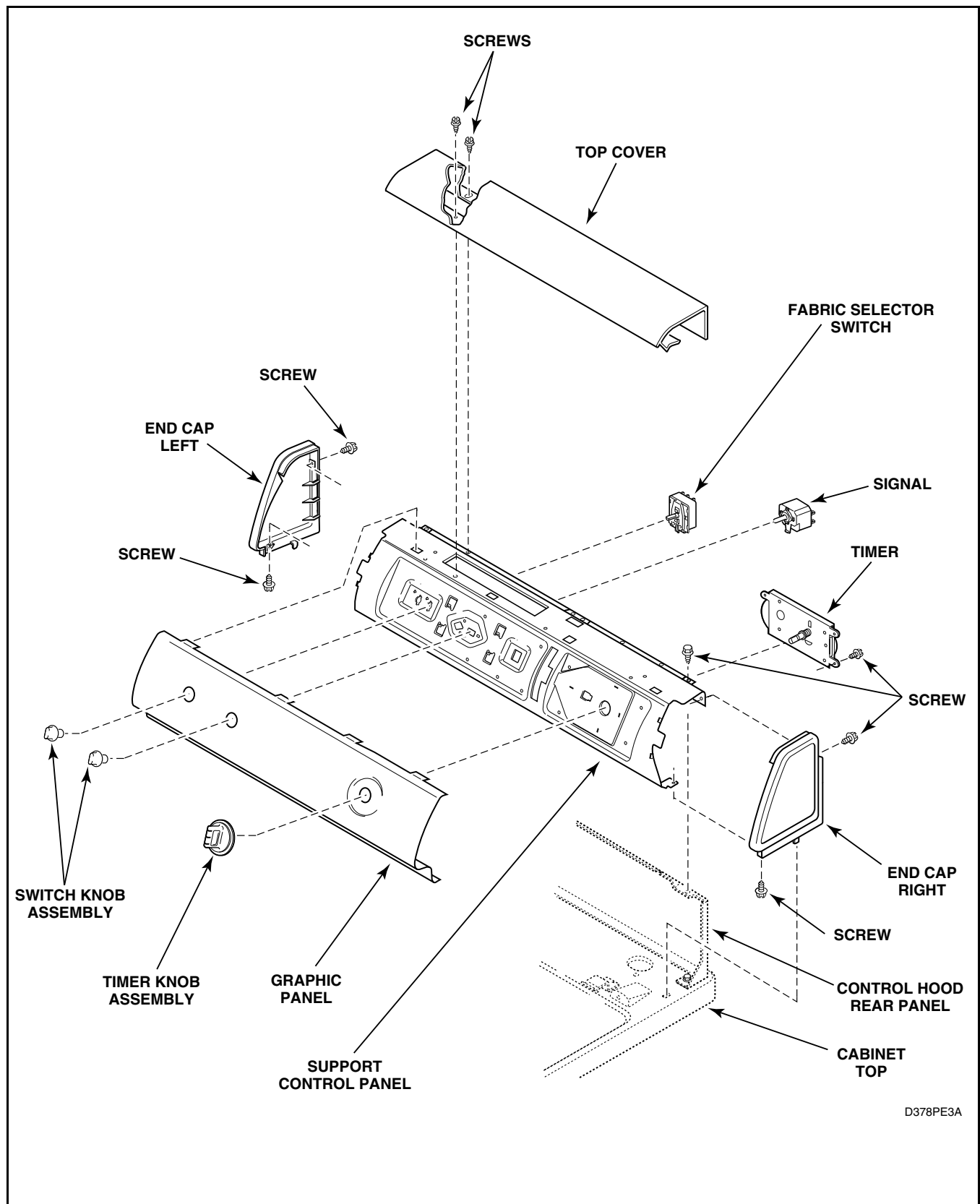


Figure 5  
GRAPHIC PANEL, CONTROL HOOD AND CONTROLS



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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### 24. ACCESS PANEL

(Figure 6)

- a. While supporting the access panel, remove two screws from bottom edge of access panel.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to Figure 12.
- c. Remove access panel.

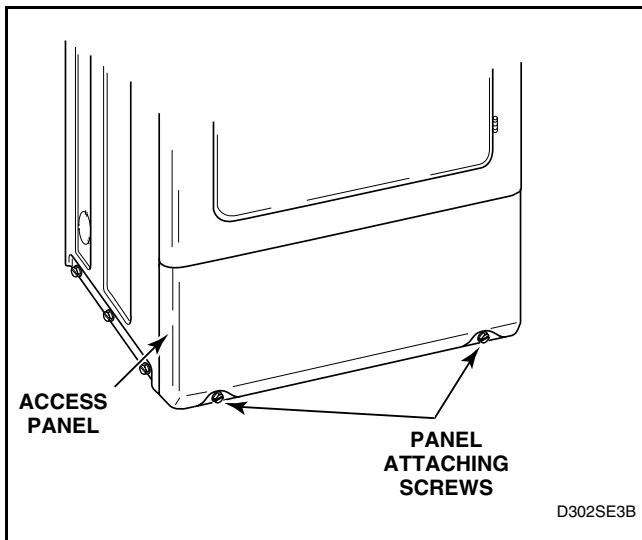


Figure 6

### 25. PUSH-TO-START SWITCH

- a. Unplug dryer from electric supply and disconnect wires.
- b. Remove screws from control panel.
- c. Pull top of control panel away from hood.
- d. Disconnect all wires to components.

### 26. CONTROL PANEL AND CONTROLS

(Metered and Nonmetered)

- a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. Refer to Figure 5.
- b. Disconnect all wires to fabric selector switch, push-to-start switch and indicator light and remove ground clip and screw holding ground wire to cabinet top and control panel. Refer to Figure 5.

**NOTE:** Refer to appropriate wiring diagram when reconnecting wires.

- c. Loosen setscrew holding switch knob to shaft and pull knob off shaft. Refer to Figure 5.
- d. Remove knurled nut holding fabric selector switch to panel and remove switch. Refer to Figure 5.
- e. Remove hex nut from push-to-start switch and remove switch. Refer to Figure 5.
- f. Squeeze locking tabs on indicator light and pull light out from back of panel. Refer to Figure 5.

#### To Test Push-to-Start Switch:

1. Unplug dryer from electrical supply and disconnect wires from switch terminals.
2. Set Volt-Ohm meter on OHMS scale and calibrate at appropriate scale.
3. Place meter probes on switch terminals. You should see an "infinite" reading on the meter.
4. With probes attached to switch, press the start switch button. Meter should read "0" Ohms.



## WARNING

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- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

### 27. LINT FILTER

(Figure 7)

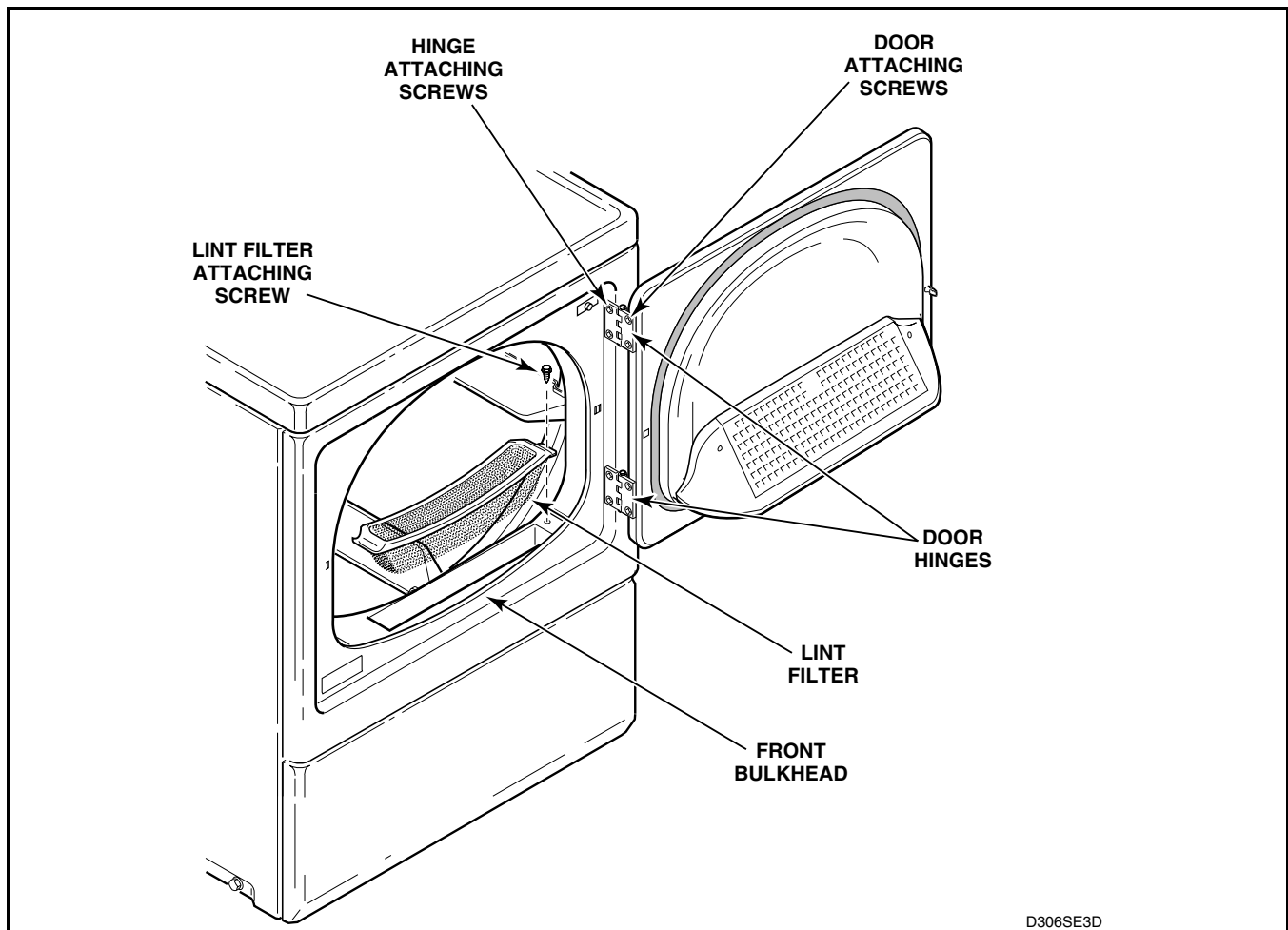
- Open loading door.
- Remove screw from end of lint filter. Refer to Figure 7.
- Lift lint filter out of air duct, paying close attention to orientation.

**IMPORTANT:** When installing lint filter, be sure to install the filter with the words facing the front of

the dryer. If filter is installed backwards, lint will accumulate in exhaust system, which can adversely affect dryer performance.

### 28. LOADING DOOR AND DOOR HINGE

- Open loading door.
- Remove screws holding loading door to hinges. Refer to Figure 7.



D306SE3D

Figure 7  
SECURED LINT FILTER



## WARNING

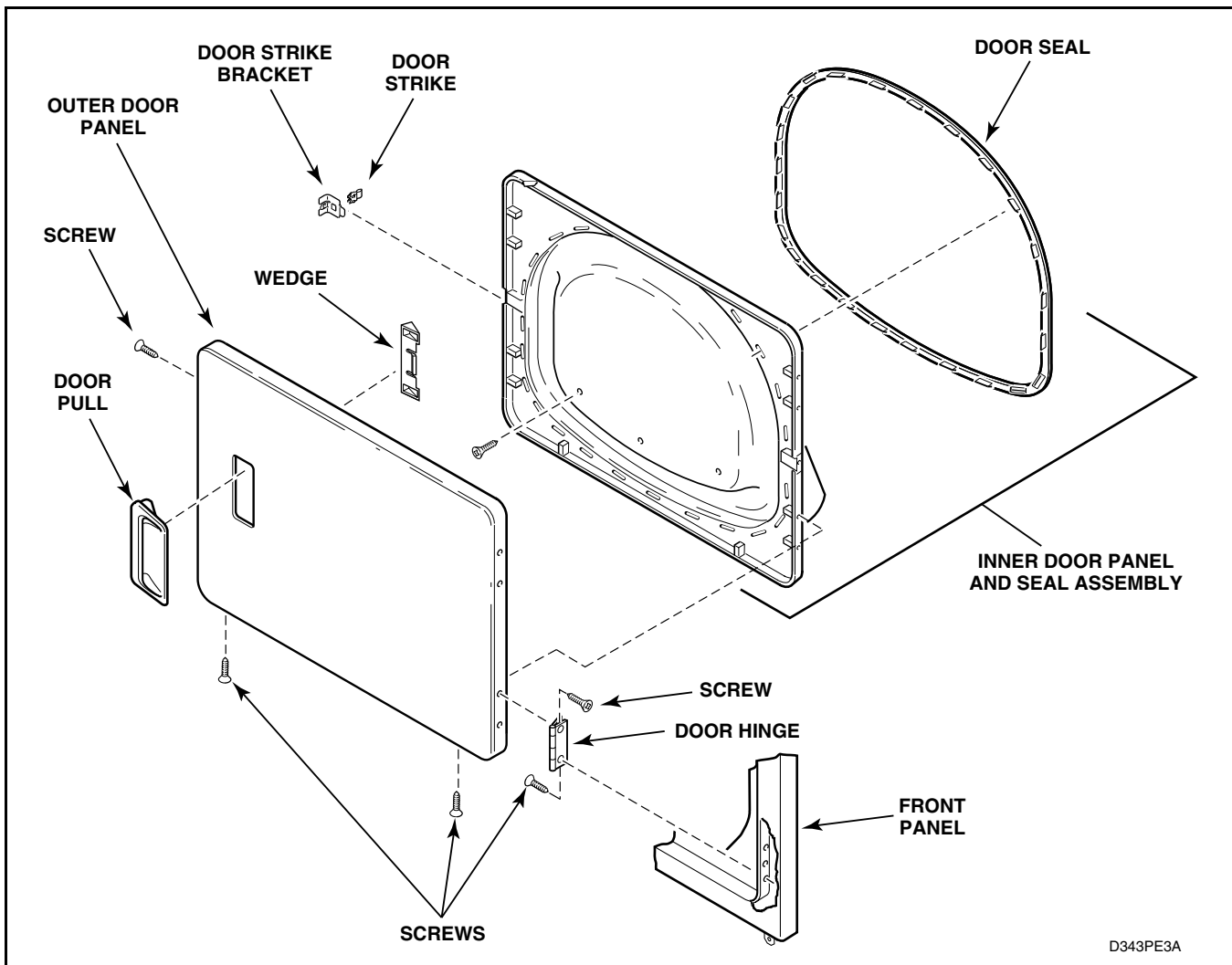
To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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### 29. INNER AND OUTER DOOR PANELS AND DOOR PULL

- Remove four screws holding door assembly to hinges. Refer to *Figure 7*.
- Remove remaining screws around the door perimeter and separate panels. Refer to *Figure 9*.
- Remove wedge (located behind door pull) by carefully prying up on center of wedge. Refer to *Figure 8*.
- Remove door pull. Refer to *Figure 8*.



D343PE3A

Figure 8

## Reversing Door Procedure

The dryer door is completely reversible. To reverse door proceed as follows:

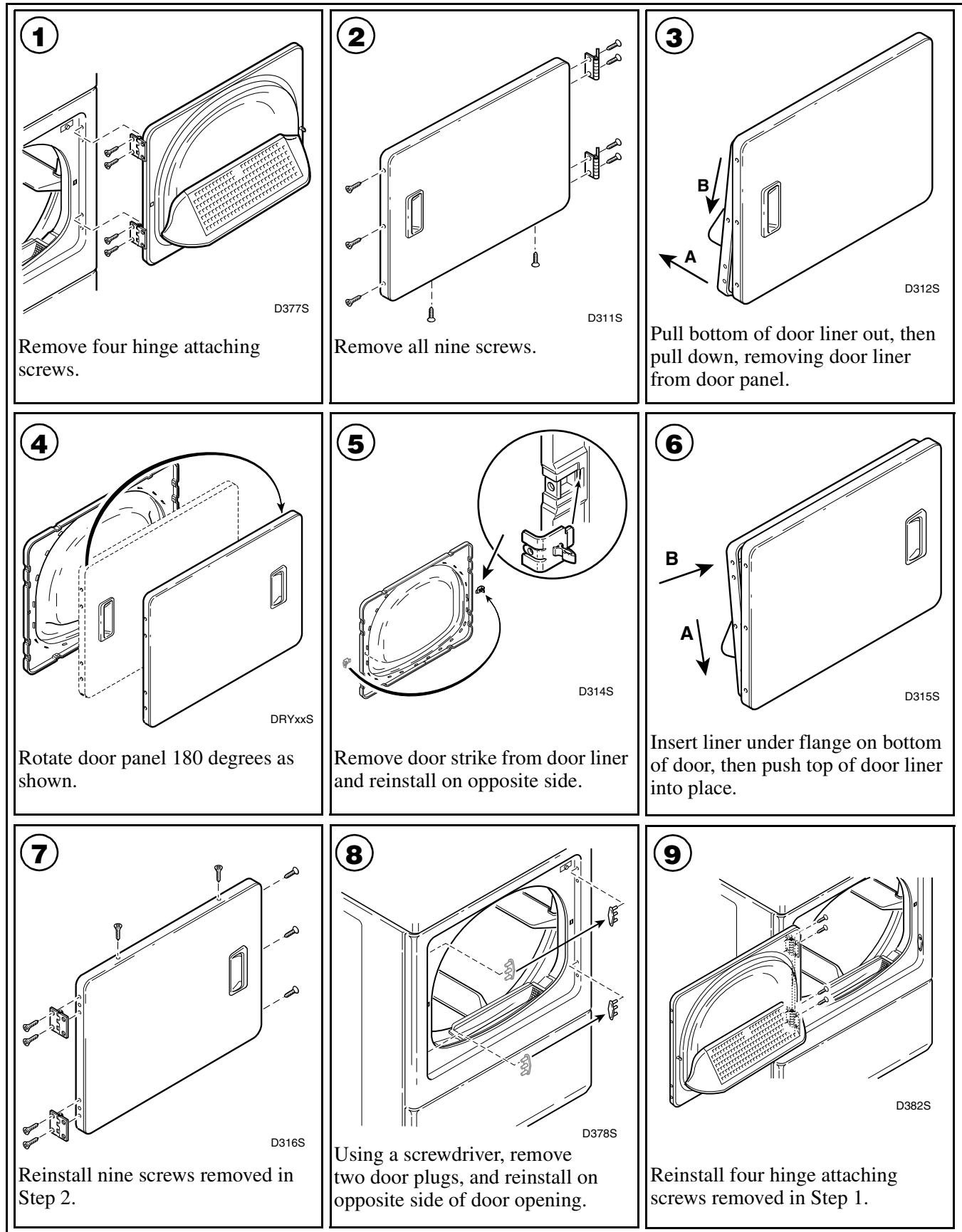


Figure 9



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

### 30. DOOR STRIKE

(Figure 10)

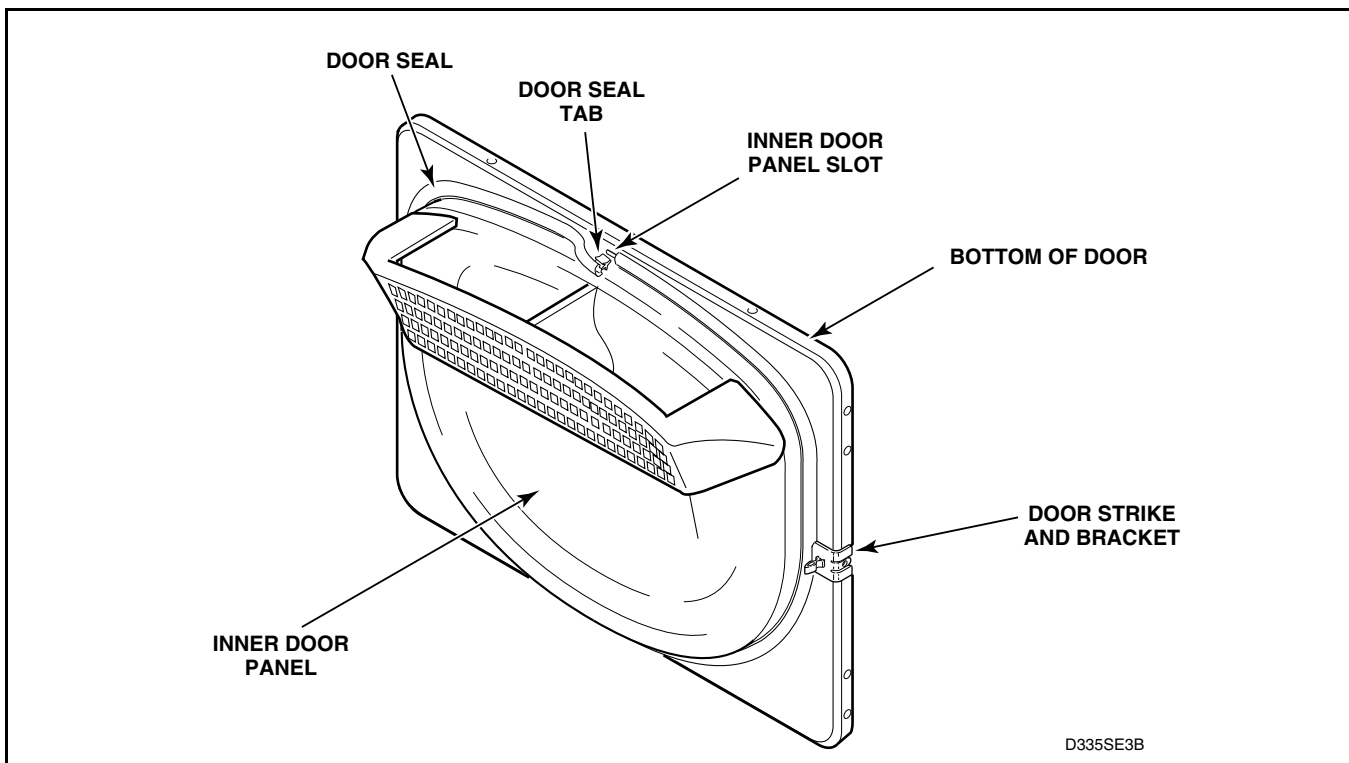
- Open loading door.
- Remove screw holding door strike and bracket to loading door and remove strike and bracket.

**NOTE:** You may have to loosen the two screws on end of door to allow for striker and bracket removal.

### 31. DOOR SEAL

- Remove inner door panel from outer door panel. Refer to *Paragraph 29*.
- Grasp either end of door seal at bottom of door and remove seal from tabs on inner door panel by gently pulling on the seal. Refer to *Figure 10*.

**NOTE:** When replacing seal, be sure seal is not stretched or distorted. The tab in the seal should be installed in each slot of the inner door panel, shown in *Figure 10*. The split in the seal must be at the bottom of the door. Make sure that each tab of the seal is fully engaged into the slot.



D335SE3B

Figure 10



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

### 32. FRONT PANEL AND PANEL SEAL

- a. While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- c. Remove two screws holding bottom tabs on front panel to dryer side panels. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- d. Disconnect wires from door switch. Refer to *Figure 11*.

**NOTE:** Refer to wiring diagram when rewiring switch.

- e. Remove front panel seal from flange around inside of door opening.

**NOTE:** Be sure seal is properly positioned when installing on front panel.

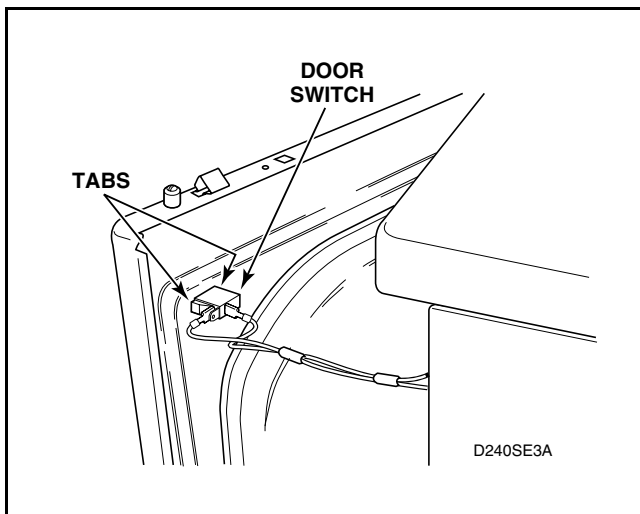


Figure 11

### 33. DOOR SWITCH

- a. While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- c. Remove two screws holding tabs on front panel to dryer side panels. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- d. Disconnect wires from door switch. Refer to *Figure 11*.

**NOTE:** Refer to wiring diagram when rewiring switch.

- e. Depress tabs on switch and push out of front panel. Refer to *Figure 11*.

#### To Test Door Switch:

1. Set meter to read Ohms and apply meter probes on switch terminals 1 and 3 with door closed. You should get "zero" reading.
2. Apply probes to terminals 1 and 2 with door closed. The meter should read "infinite".
3. Open door. Meter should read "infinite" between 1 and 3 and "zero" between 1 and 2.





## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

### 34. DOOR CATCH

- a. While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- c. Remove two screws holding bottom tabs on front panel to dryer side panels. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- d. Disconnect wires from door switch. Refer to *Figure 11*.

**NOTE: Refer to wiring diagram when rewiring switch.**

- e. Depress tabs on top and bottom of catch and push out of front panel.

### 35. DOOR HINGE

(*Figure 7*)

- a. Open loading door and, while supporting door, remove four screws holding door assembly to hinges.
- b. Remove four screws holding hinges to front panel.

### 36. HOLD-DOWN CLIPS AND LOCATORS

- a. While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- c. Remove two screws holding bottom tabs on front panel to dryer side panels. Swing bottom edge of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- d. Disconnect wires from door switch. Refer to *Figure 11*.

**NOTE: Refer to wiring diagram when rewiring switch.**

- e. Compress hold-down clips and remove from top of access panel or front panel.
- f. Remove four screws holding four locators to access panel or front panel.

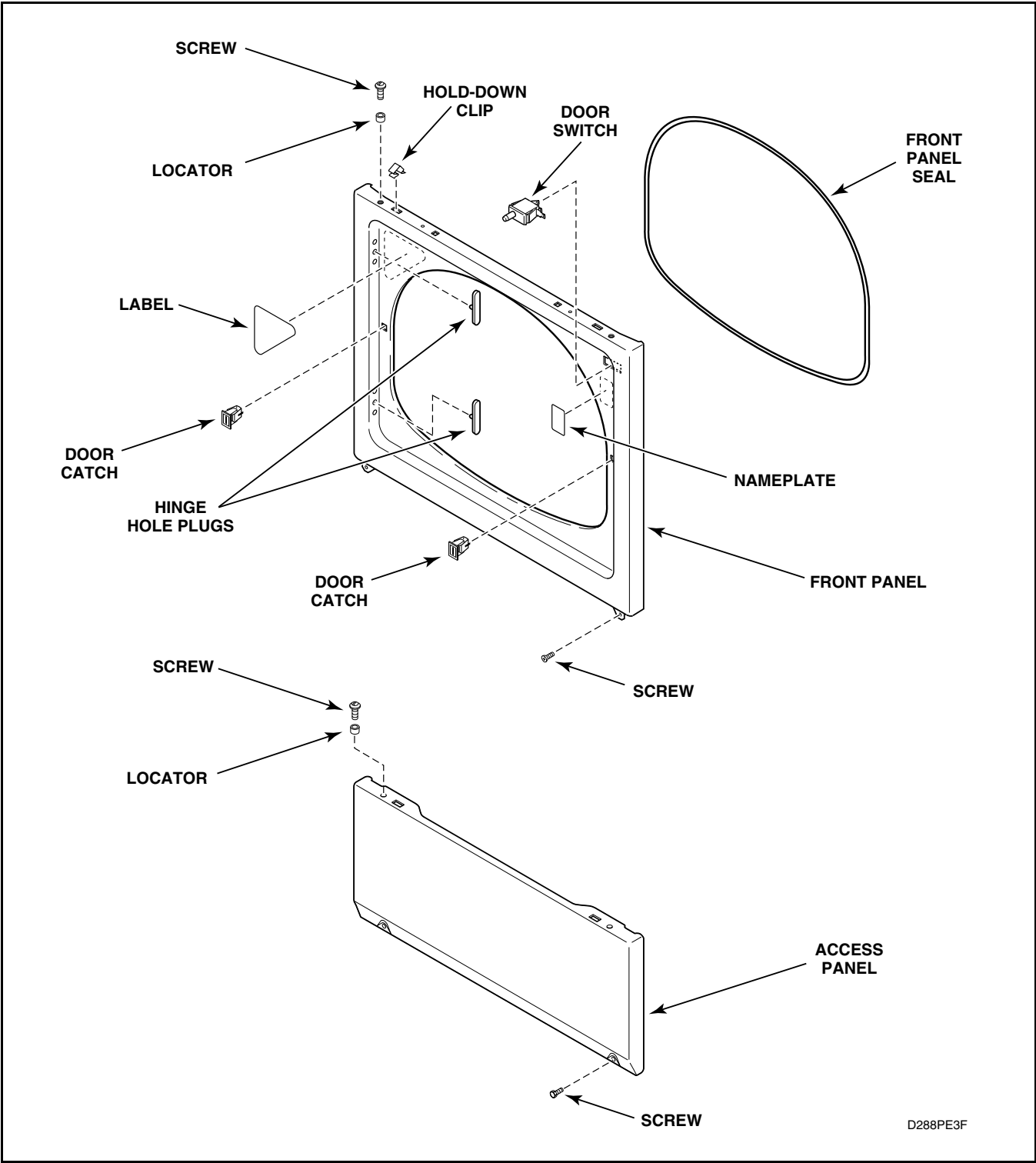


Figure 12



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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### 37. BURNER SYSTEM COMPONENTS

(Gas Models)

#### a. Complete Gas Valve Assembly.

- (1) While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- (2) Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- (3) Close main gas shut-off valve.
- (4) **Silicon Carbide Ignition:** Disconnect igniter wires at disconnect blocks, sensor wires from sensor terminals, and wires from gas valve coils at the quick disconnect blocks. Refer to *Figure 13*.  
**Silicon Nitride Ignition:** Disconnect wire harness from igniter and sensor assembly, and from gas valve coils at disconnect blocks. Refer to *Figure 13*.
- (5) Disconnect gas shut-off valve from gas valve at the union nut. Refer to *Figure 13*.
- (6) Remove three screws holding valve and mounting bracket to base. Refer to *Figure 13*.
- (7) Lift gas valve and mounting bracket from base. Refer to *Figure 13*.

**NOTE:** The holding and booster coil, secondary coil, main coil and redundant coil can be replaced individually.

#### b. Burner Tube, Igniter and Bracket

**NOTE:** Burner tube and igniter can be removed without removing gas valve and bracket.

- (1) Remove one screw from right side of burner housing holding burner tube in place. Refer to *Figure 16*.
- (2) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. Refer to *Figure 16*.
- (3) Carefully rotate burner tube and igniter **counterclockwise** so tab is at 8 o'clock position.

#### To Test Gas Valve Coils: (Gas Models)

1. Remove disconnect blocks from gas valve coils.
2. Set test meter to read Ohms and put meter probes to terminals shown in *Figure 13*, and in the following chart.

#### Silicon Carbide Ignition:

##### Coil Tolerance Readings

Meter probes to terminals:	Meter should read:
Holding Coil – Terminals 1 & 2	1365 ± 25 Ohms
Booster Coil – Terminals 1 & 3	560 ± 25 Ohms
Secondary Coil – Terminals 4 & 5	1220 ± 50 Ohms

**Silicon Nitride Ignition:** Both coils should read between 2400-2800 Ohms.

**NOTE:** If meter registers any other readings than those listed above, the respective coil(s) should be replaced.

- (4) Move air shutter end of burner tube slightly to right and CAREFULLY remove burner tube and igniter assembly out through front of dryer.
- (5) Remove screw holding igniter and bracket to burner tube and remove igniter and bracket. Refer to *Figure 15*.

**IMPORTANT:** Use care while removing igniter to avoid damaging or breaking it. The igniter is very fragile.

**IMPORTANT:** Handle igniter by grasping the white ceramic portion of bracket only. **DO NOT** handle silicon carbide or silicon nitride portion of igniter with hands or allow any oil, grease or other foreign material to contaminate it. Oil, grease and other impurities or hairline cracks will cause the igniter to burn out.

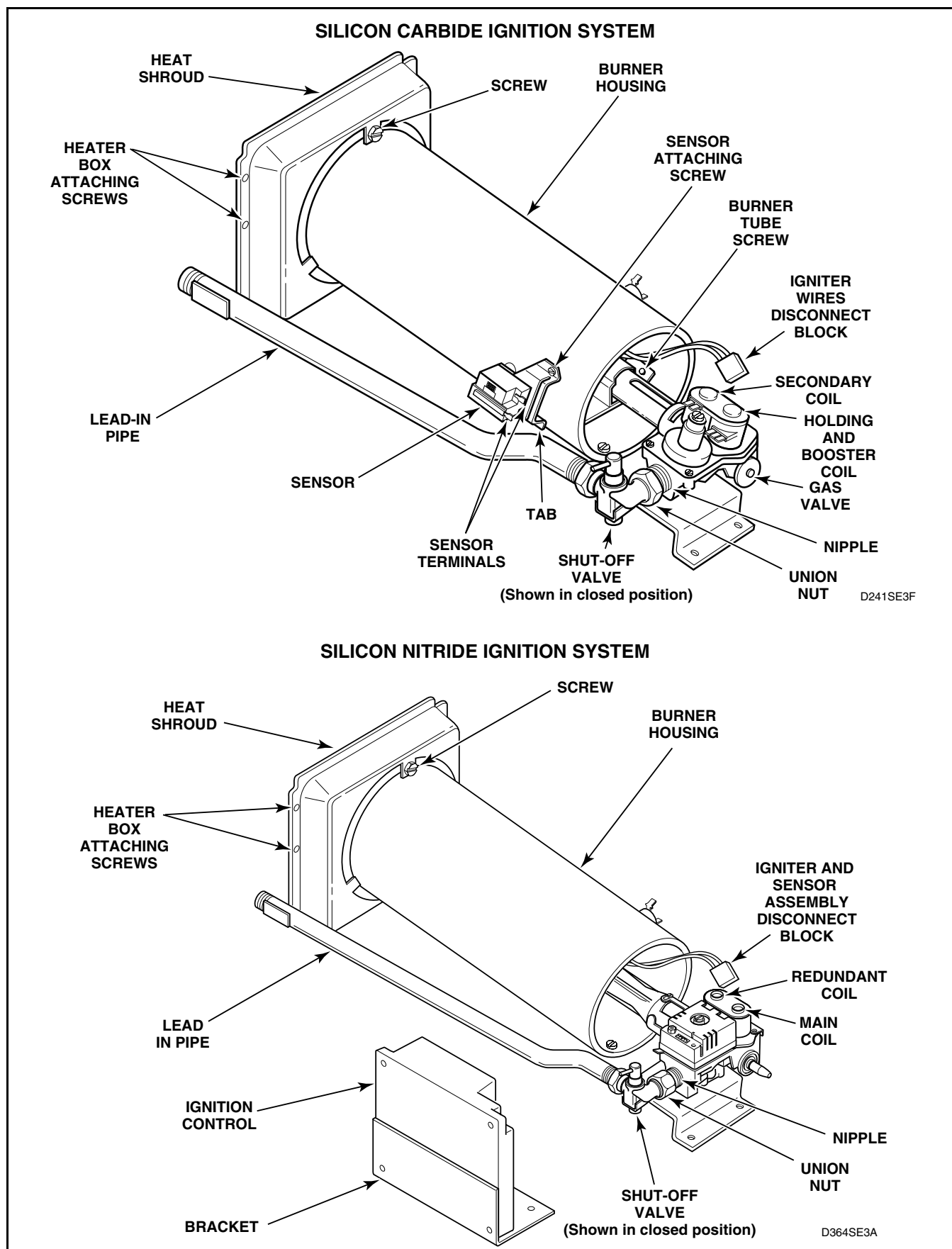


Figure 13



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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### c. Ignition Control

- (1) While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- (2) Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- (3) Remove wire harness from ignition control.
- (4) Remove screws holding ignition control to bracket. Refer to *Figure 15*.
- (5) Carefully remove ignition control. Refer to *Figure 15*.

#### To Test Igniter: (Gas Models)

1. Set test meter to read Ohms and put meter probes on terminals of igniter wires.
2. **Silicon Carbide Igniter** – meter should read between 45 – 200 Ohms. Refer to *Figure 15*.  
**Silicon Nitride Igniter** – meter should read between 49 – 88 Ohms.

If meter does not read appropriate Ohms, then replace the igniter.

**IMPORTANT:** Always examine all wires, terminals and connectors to be sure wiring is proper before replacing any components.

#### To Test Electrical Circuit to Ignition System (Gas Models)

1. Close gas shut-off valve. Refer to *Figure 13*.
2. Remove valve wire harness disconnect block from the holding and booster coil. Refer to *Figure 14*.
3. Plug dryer power cord into wall receptacle, and start the dryer in a heat setting (refer to the Operating Instructions supplied with dryer).
4. Set test meter to read AC voltage and apply meter probes into terminals on the dryer harness plug that would correspond to terminals "1" and "2" on the coil. Refer to *Figure 14*. Meter should register line voltage in all Fabric settings, except FLUFF which should read "zero" VAC.
5. If meter does not read line voltage in step "1", check motor switch, thermostats, fabric switch, accumulator, or timer.

**NOTE:** For information on ignition control flashes, Refer to *Paragraph 15*.

### d. Sensor

- (1) While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- (2) Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- (3) Disconnect wire harness from igniter and sensor assembly.
- (4) Remove screw holding igniter and sensor assembly to burner tube. Refer to *Figure 15*.

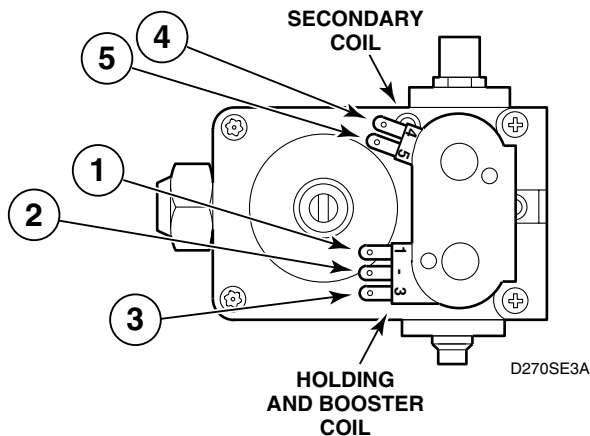


## WARNING

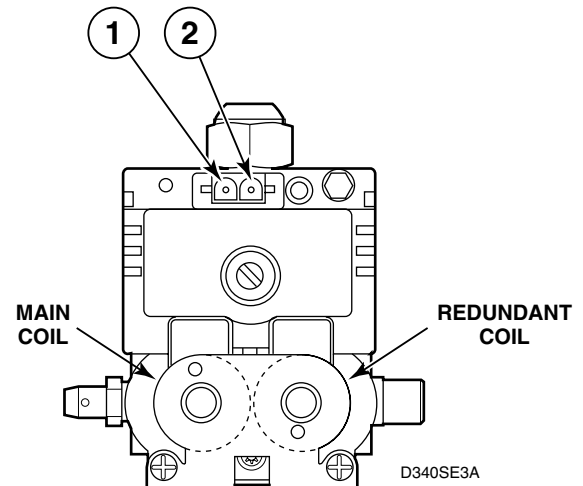
To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

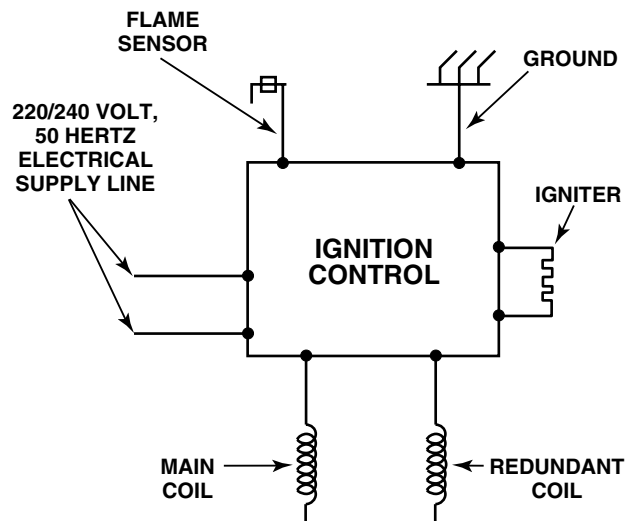
W001R1



**GAS VALVE FOR SILICON CARBIDE IGNITION**



**GAS VALVE FOR SILICON NITRATE IGNITION**



**WIRING SCHEMATIC**

D332SE3A

Figure 14



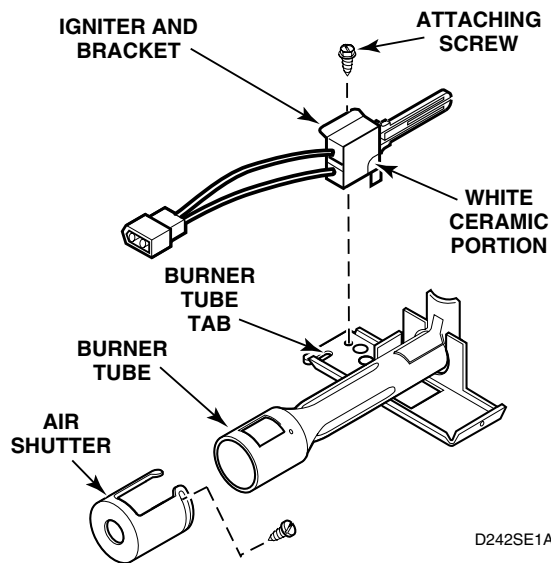
## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

### SILICON CARBIDE IGNITION SYSTEM



### SILICON NITRIDE IGNITION SYSTEM

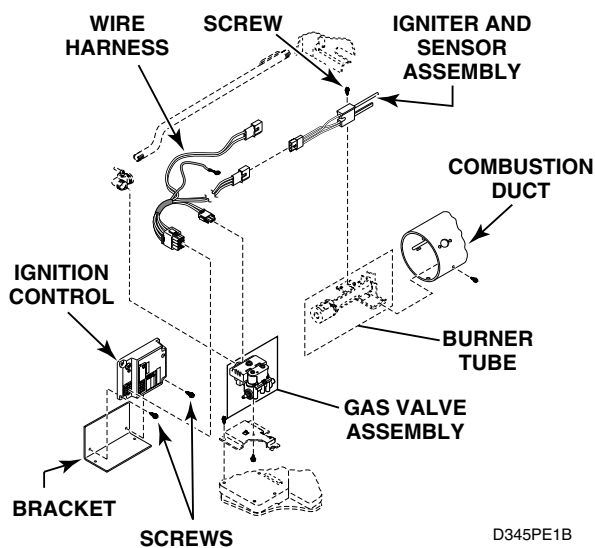


Figure 15

### To Test Sensor: (Gas Models)

1. Set test meter to read Ohms and put meter probes on sensor terminals. Meter should read "zero" Ohms.
2. If meter registers an Ohm reading of any amount, replace sensor.

### To Test Ignition Control Grounding (Silicon Nitride Ignition))

1. Set test meter to read Ohms and put meter probes on the ground wire connection in 12-pin block (connected to module) and on the green ground screw in base of dryer.
2. Meter should read "zero" Ohms. If meter registers an Ohm reading of any amount, check ground wire connection and replace as necessary.



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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### 38. BURNER HOUSING AND HEAT SHROUD (Gas Models)

- While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- Silicon Carbide Ignition:** Disconnect igniter wires at disconnect blocks, sensor wires from sensor terminals, and wires from gas valve coils at the quick disconnect blocks. Refer to *Figure 13*.  
**Silicon Nitride Ignition:** Disconnect wire harness from igniter and sensor assembly, and from gas valve coils at disconnect blocks. Refer to *Figure 13*.
- Remove screw from right side of burner housing, while holding burner tube in place. Refer to *Figure 16*.
- Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. Refer to *Figure 16*.
- Carefully rotate burner tube and igniter **counterclockwise** so tab is at 8 o'clock position.
- Move air shutter end of burner tube slightly to the right and **CAREFULLY** remove burner tube and igniter assembly out through front of dryer.

**IMPORTANT: The igniter is very fragile. Be careful not to damage it during removal.**

- Remove screw holding burner housing to heat shroud. Refer to *Figure 13*.
- Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer. Refer to *Figure 16*.
- Remove two screws holding heat shroud to heater box and take heat shroud out through front of dryer.

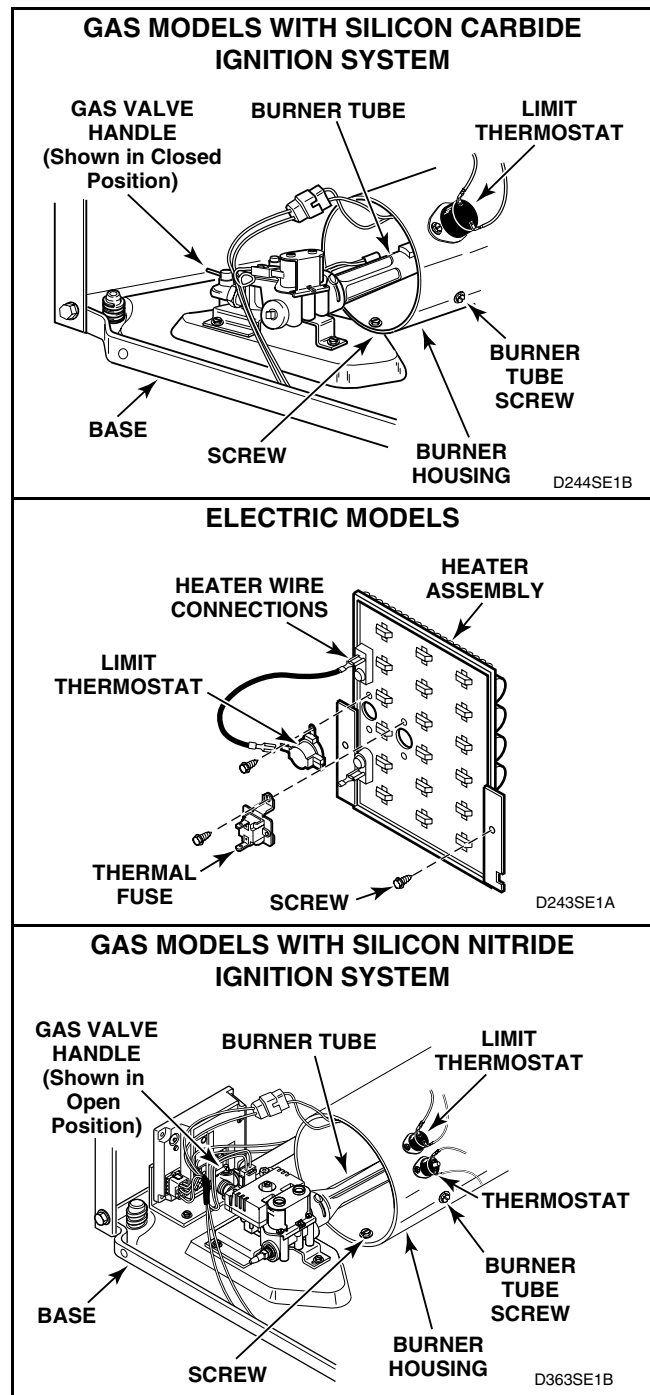


Figure 16





## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

### 39. LIMIT THERMOSTAT (Gas Models)

- While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- Disconnect wires and remove screws attaching limit thermostat to burner housing or element plate. Refer to *Figure 16*.
- Repeat procedure on models with more than one thermostat.

### 40. HEATING ELEMENT (Electric Models)

- While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- Disconnect wires from element and plate. Refer to *Figure 16*.
- Remove two screws holding element and plate to heater box and remove element and plate out through front of dryer. Refer to *Figure 16*.

**NOTE:** When reassembling, be sure all wire connectors are tight on element terminals, thermal fuse and limit thermostat.

### 41. THERMOSTAT

- While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- Disconnect wires and remove thermostat attaching screws. Refer to *Figure 17*.

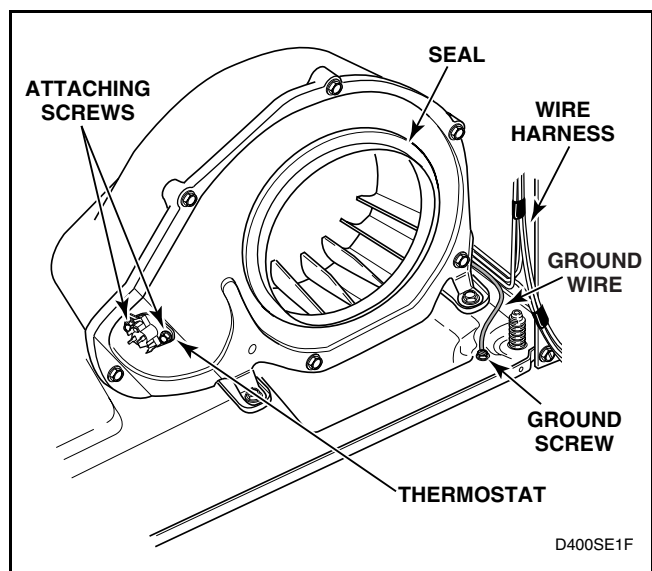
### To Test Heater Assembly (Electric Models)

1. Disconnect wires from heater assembly.

**NOTE:** Refer to appropriate wiring diagram when rewiring heater assembly.

2. Set meter to read Ohms. Apply meter probes to the heater assembly terminals. Meter should read as follows: (Cold Ohms).

Element Color Code	KW	Voltage/Hz.	Resistance Reading
Red	5	240 V 60 Hz.	10.39 ± .31 Ohms Cold
White	4.75	208 V 60 Hz.	8.2 ± .5 Ohms Cold
Green	4.8	240 V 50 Hz.	10.75 ± .32 Ohms Cold
Yellow	4	240 V 50 Hz.	13.03 ± .39 Ohms Cold
Blue	3.1	240 V 50 Hz.	16.7 ± .5 Ohms Cold
Orange	5.35	240 V 60 Hz.	9.72 ± .3 Ohms Cold
Purple	4.25	208 V 60 Hz.	9.27 ± .3 Ohms Cold



D400SE1F

Figure 17



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

### To Test Thermal Fuse: (Electric Models)

1. Label and disconnect wires from thermal fuse. Refer to *Figure 16*.

**NOTE:** Refer to appropriate wiring diagram when rewiring thermal fuse.

2. Set multimeter to read Ohms. Apply meter probes to thermal fuse terminals. Multimeter should read 0 Ohms. If the meter does not show any reading (infinite Ohms), then the fuse is open. If the fuse is open, then replace BOTH the thermal fuse and the limit thermostat.

### To Test Cycling or Limit Thermostat

1. Label and disconnect wires from thermostat. Refer to *Figure 17*.

**NOTE:** Refer to appropriate model wiring diagram when rewiring thermostat.

2. Cycling Thermostat (S.P.S.T. – 2 Terminals) or Limit Thermostat
  - a. Set meter to read Ohms.
  - b. Apply meter probes to the thermostat terminals.
  - c. Meter should read “zero.”

## 42. AIR DUCT

- a. While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.

**IMPORTANT:** When installing lint filter, be sure to install the filter with the words facing the front of the dryer.

- c. Remove front panel.



## WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005

**IMPORTANT:** When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. Refer to *Figure 17*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

- d. Remove three screws holding air duct to front bulkhead.
- e. Carefully lift air duct out of dryer.



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

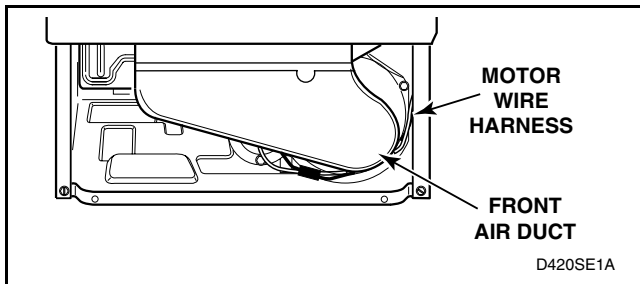


Figure 18

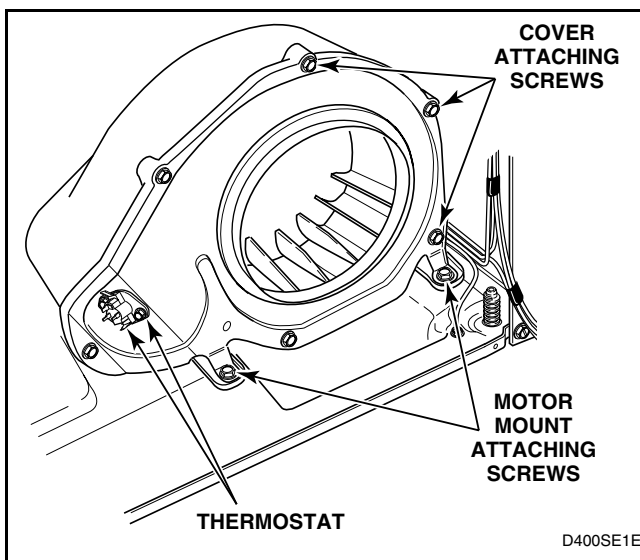


Figure 19

### 43. MOTOR AND EXHAUST ASSEMBLY

- While supporting the lower access panel, remove two screws from bottom edge of lower access panel. Refer to *Figure 6*.
- Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- Open loading door and remove filter. Refer to *Figure 7*.
- Remove screws holding air duct to front bulkhead.



## WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005

**IMPORTANT:** When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. Refer to *Figure 17*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

- Disconnect wires from thermostat (and heater, if present) then disconnect ground wire screw. Refer to *Figure 19*.

**NOTE:** Refer to wiring diagram when rewiring thermostat and heater.

- Remove cylinder belt from idler and motor pulleys. Refer to *Figure 20*.
- Disengage motor wire harness terminal block from motor switch by pressing in on the movable locking tabs (located on each end of the terminal block) and pulling away from motor. Refer to *Figures 23* and *24*.
- Remove two screws holding motor mounting bracket to dryer base. Refer to *Figure 19*.



## WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005

(continued)



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

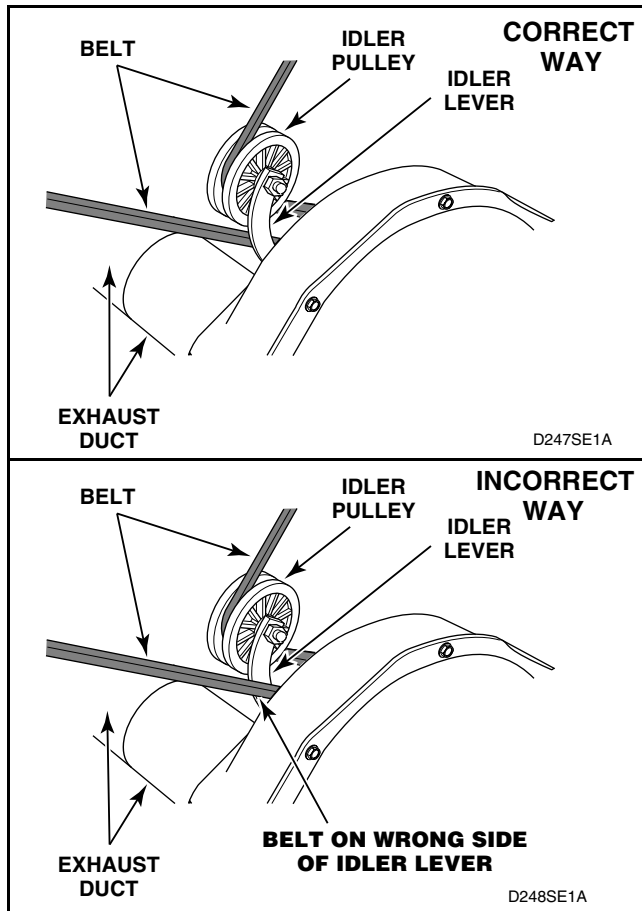


Figure 20

**IMPORTANT:** When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. Refer to *Figure 17*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

**IMPORTANT:** When reinstalling motor and exhaust assembly, be sure wire harness on right side is clipped to motor mounting bracket and is routed along dryer base (between motor mounting bracket and right side of cabinet). Refer to *Figure 17*. Tab on rear of motor mounting bracket must be slid into slot in dryer base. Be sure the belt has been installed on the correct side of the idler lever. Refer to *Figure 20*.

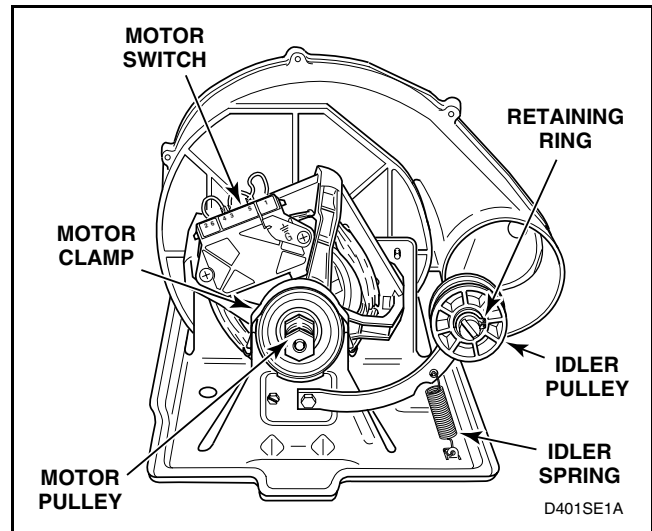


Figure 21

- Pull assembly forward and disengage the middle exhaust duct.
- Rotate the assembly 90° **counterclockwise** and slide out through front of dryer.
- Motor pulley and idler pulley assemblies**  
Refer to *Figure 21* for motor and idler pulley removal.

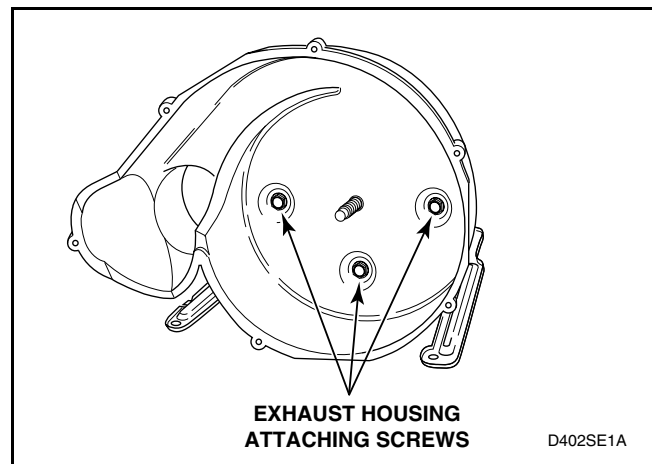


Figure 22



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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**NOTE:** When repairing or replacing the idler arm, it is important to make sure the idler arm moves freely. To ensure that the idler arm can move freely, proceed as follows:

- (1) Unhook idler spring.
- (2) Lift idler arm approximately 3 inches and release. If idler arm does not fall back to the base of the motor mount, then idler arm bolt is too tight.
- (3) Loosen idler arm bolt 1/4 turn.
- (4) Add grease between idler arm and motor mount.

### l. Impeller and housing

- (1) Remove screws holding cover to housing. Refer to *Figure 19*.
- (2) Hold motor pulley securely and unthread impeller from motor shaft (right hand thread). Use a 7/8 inch, 6 point socket to aid in the removal of the impeller.
- (3) Remove three screws holding the exhaust housing to the motor mounting bracket. Refer to *Figure 22*.

### m. Motor

- (1) Disengage motor wire harness terminal block from the motor by pressing in on the movable locking tabs (located on each side of the terminal block) and pulling away from motor. Refer to *Figures 23* and *24*.

**IMPORTANT:** To avoid an open circuit, **DO NOT** pull on the terminal block wires when removing blocks from motor as this could damage the wires or terminal crimping.

Before attaching wire harness terminal block to motor, be sure all the male terminals on motor are straight and are capable of accepting the terminals from the wire harness terminal block.

- (2) Pry two motor clamps off motor mounting bracket with screwdriver. Refer to *Figure 21*, then lift motor out of mounting bracket.

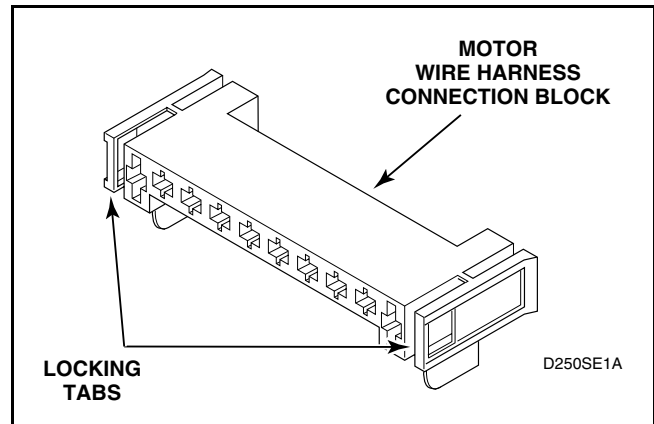


Figure 23

**NOTE:** When replacing motor, motor switch should be at 10 o'clock position. The positioning tab on the motor should be engaged with the anti-rotating notch in the motor bracket.

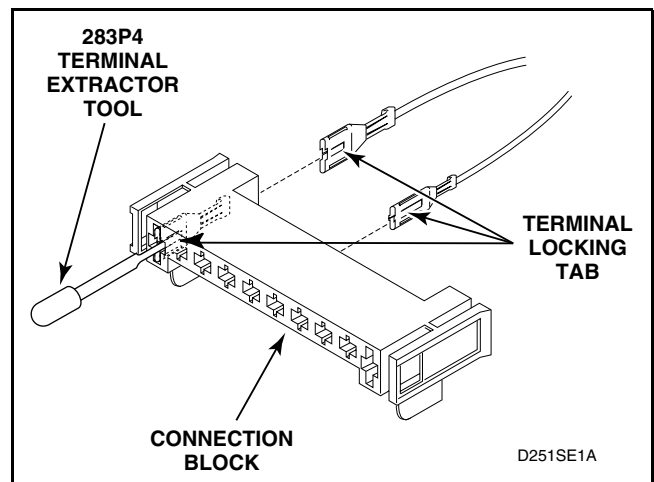


Figure 24

### n. Motor Connection Block Terminals

Remove terminals from the motor wire harness connection block using No. 283P4 Terminal Extractor Tool as follows:

- (1) Insert the tool into the block on the back of the terminal being removed. Refer to *Figure 24*.



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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- (2) Apply tool pressure to compress the terminal locking tab on terminal and force the terminal and wire out back side of connection block. Refer to *Figure 24*.

To install terminal in connection block, insert terminal (with wire securely crimped in place) into back side of connection block. Push terminal into connection block until locking tab on terminal spreads and holds terminal in place.

### To Test Drive Motor:

(*Figure 25*)

1. Remove motor and exhaust assembly.
2. Disconnect motor wire harness at motor disconnect block.

**NOTE:** Refer to appropriate wiring diagram when rewiring motor switch.

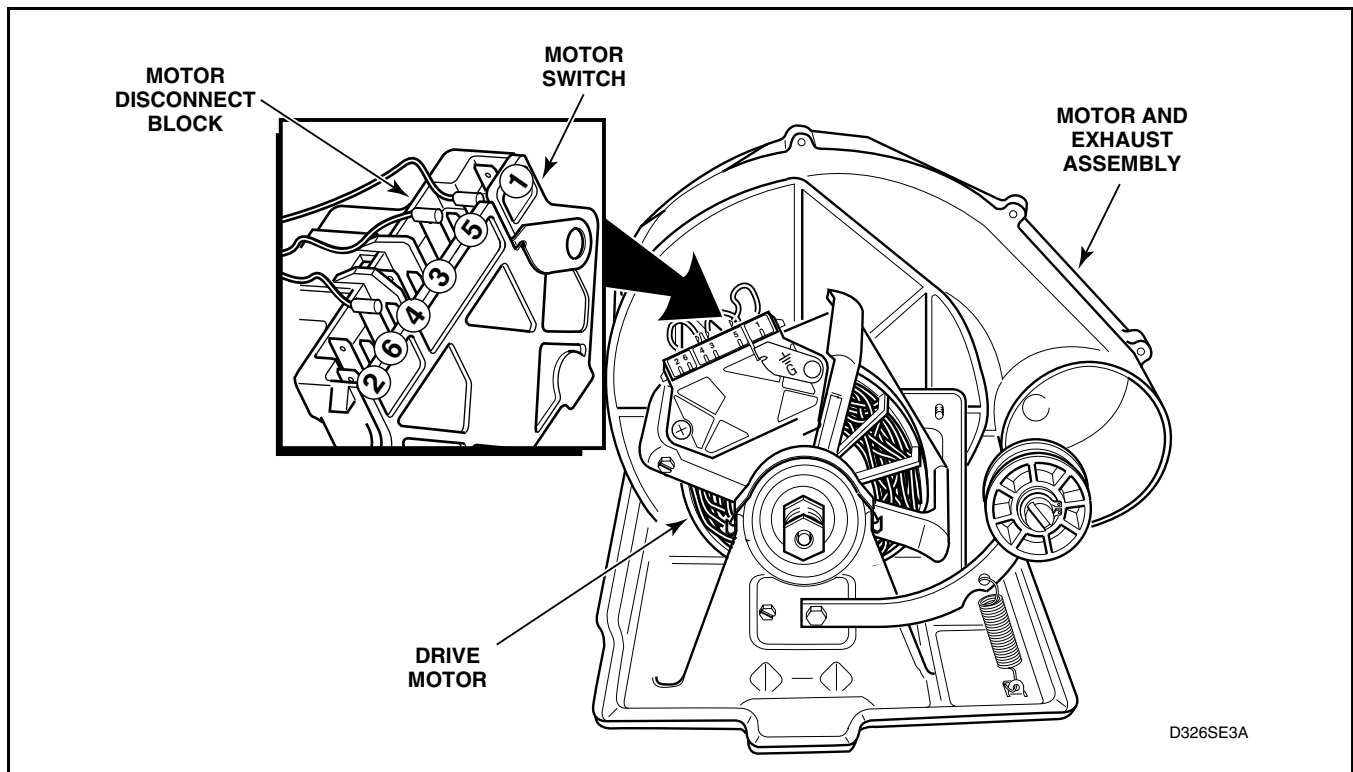


Figure 25



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

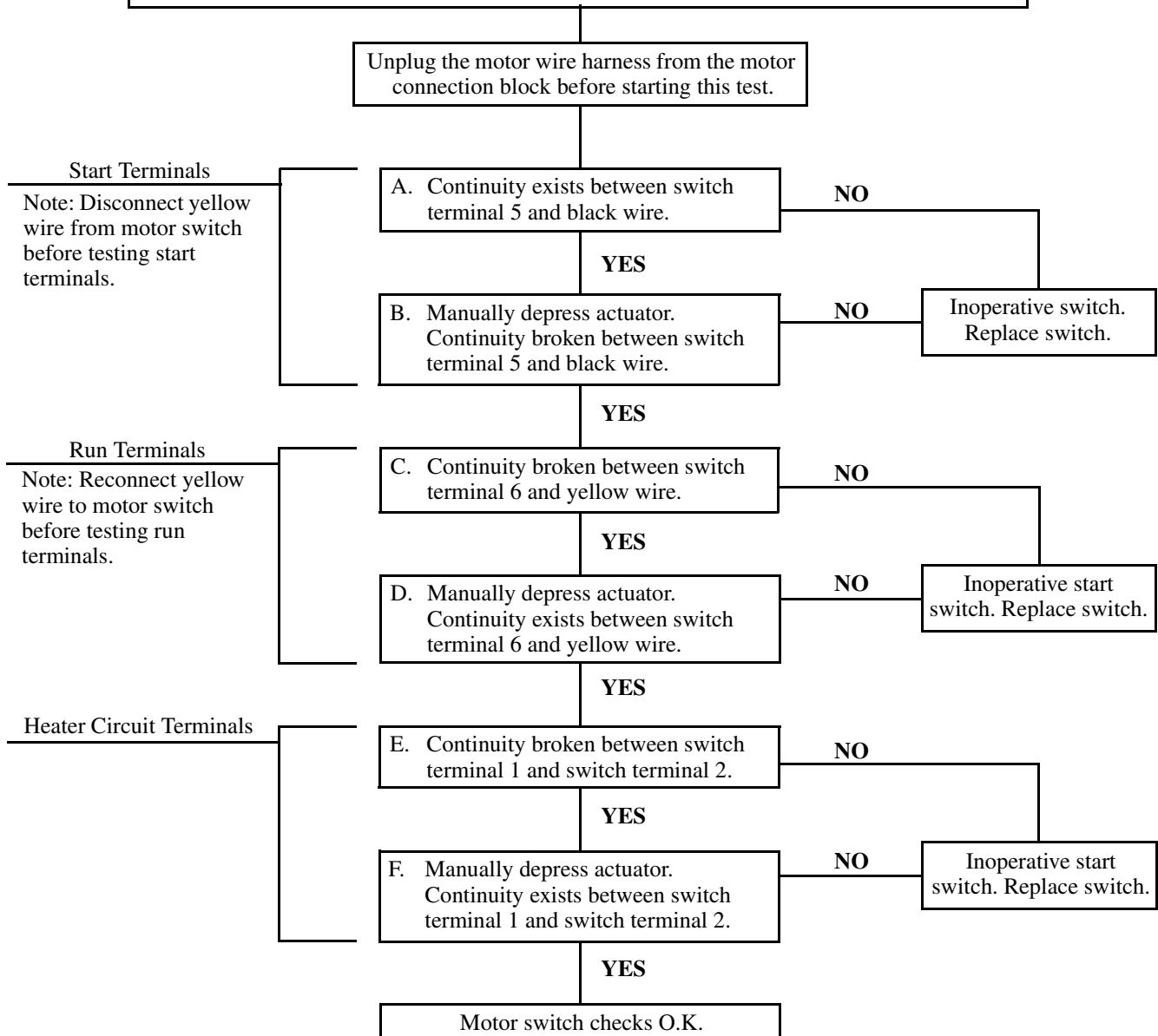
o. **Motor Switch** (Refer to SECTION 7 for Internal Wiring of the Dryer Motor Switch.)




## WARNING

Disconnect electric power to dryer before performing any of the following steps or when replacing inoperative motor switch.

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### WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

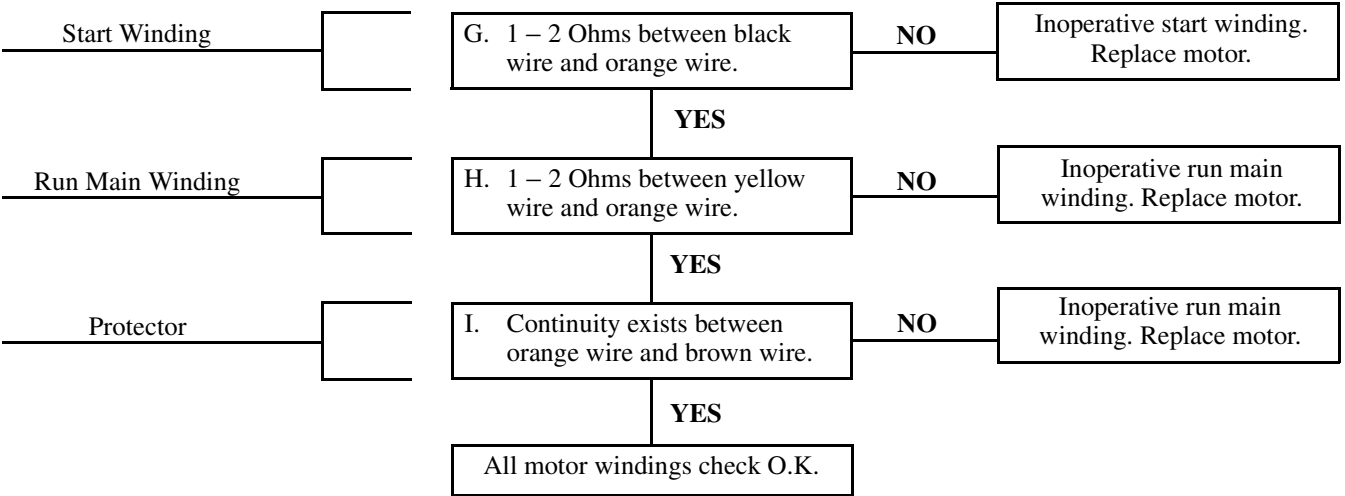
p. **Motor Windings** (Refer to SECTION 7 for Internal Wiring of the Dryer Motor Switch.)



### WARNING

Disconnect electric power to dryer before performing any of the following steps or when replacing inoperative motor switch.

W260







## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

### 44. CABINET TOP

- While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- Remove two screws holding bottom tabs on front panel to dryer side panels. Refer to *Figure 12*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- Disconnect wires from door switch. Refer to *Figure 11*.

**NOTE:** Refer to wiring diagram when rewiring switch.

- Remove two cabinet top hold-down screws. Refer to *Figure 26*.
- Lift cabinet top to a vertical position by hinging it on the rear hold-down brackets. Refer to *Figure 26*.

**NOTE:** Cabinet top may be raised and hinged on the rear hold-down brackets or supported against wall behind dryer while servicing.

- Carefully withdraw wire harness through hole in cabinet top and lift the top off the hold-down brackets. Refer to *Figure 26*.

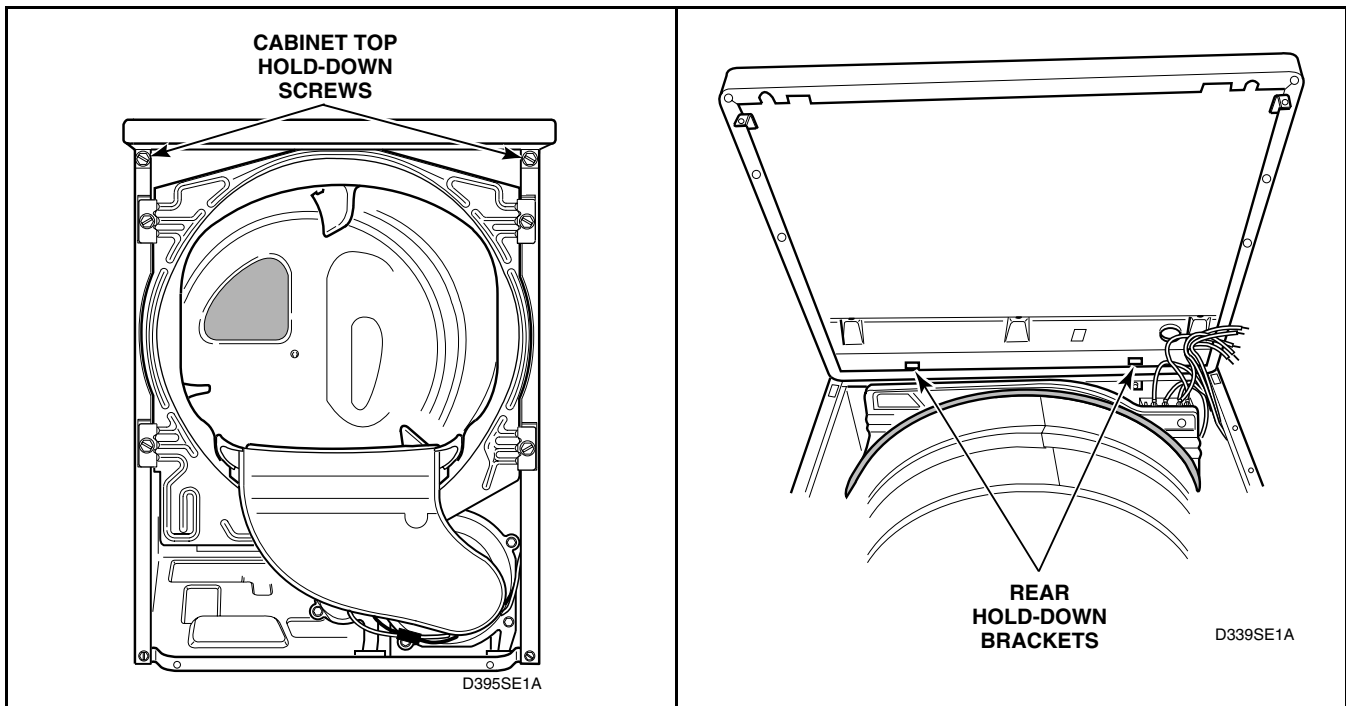


Figure 26



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

### 45. FRONT BULKHEAD ASSEMBLY

- While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- Remove two screws holding bottom tabs on front panel to dryer side panels. Refer to *Figure 12*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- Disconnect wires from door switch. Refer to *Figure 11*.

**NOTE:** Refer to wiring diagram when rewiring switch.

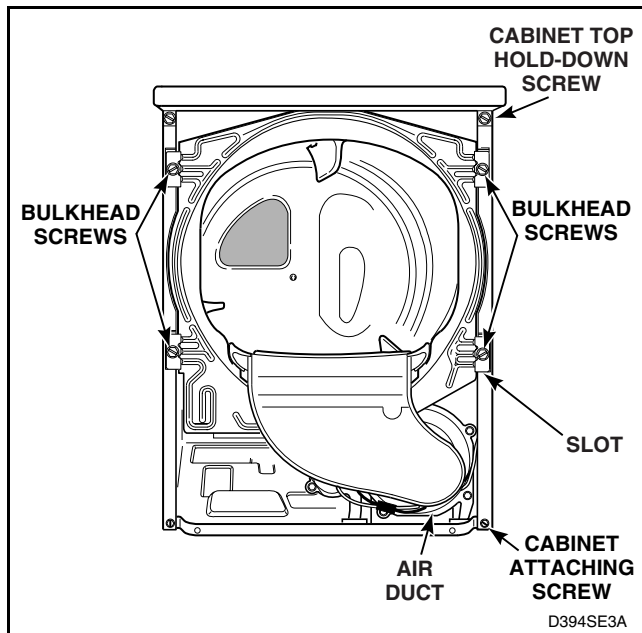


Figure 27

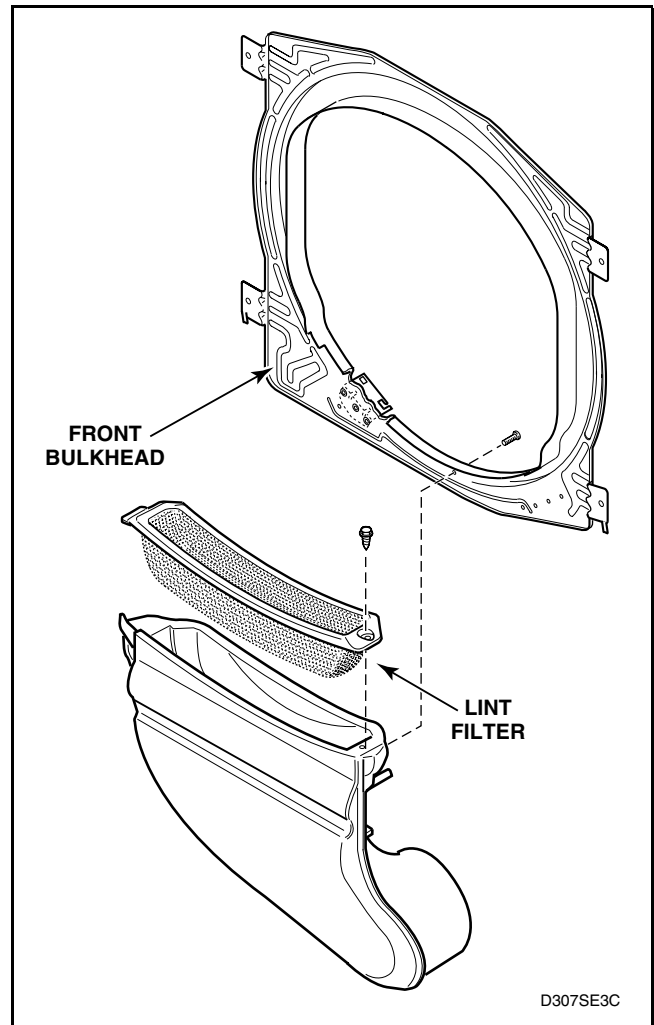


Figure 28



## WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

- Disengage belt from motor and idler pulley. Refer to *Figure 21*.
- Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead and assembly out of slots in cabinet. Refer to *Figure 27*.

**IMPORTANT:** When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of the air duct. Refer to *Figure 17*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

- Remove air duct assembly. Refer to *Figure 28*.
- Cylinder Glides and Glide Bracket. Refer to *Figure 29*.
  - Unsnap glide from each glide bracket.
  - Remove screws holding glide bracket to front bulkhead.
- Front Cylinder Seal (*Figure 30*)
 

When installing the cylinder seal, it is important to remember these two important steps:

  - The stitching on the seal must face towards the dryer center.
  - The short flap must be glued to the bulkhead and the long flap left loose.

**IMPORTANT:** The replacement seal can be adhered to the bulkhead using No. 22506P Sealant. This is accomplished by applying a bead of sealant around the entire flanged area where the seal contacts the bulkhead.

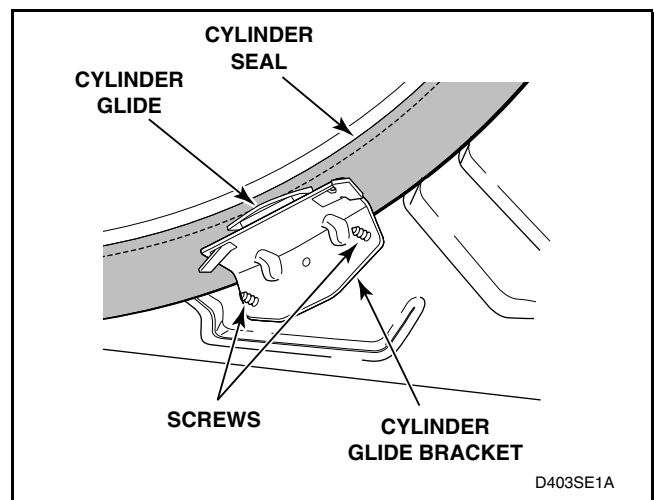


Figure 29

D403SE1A

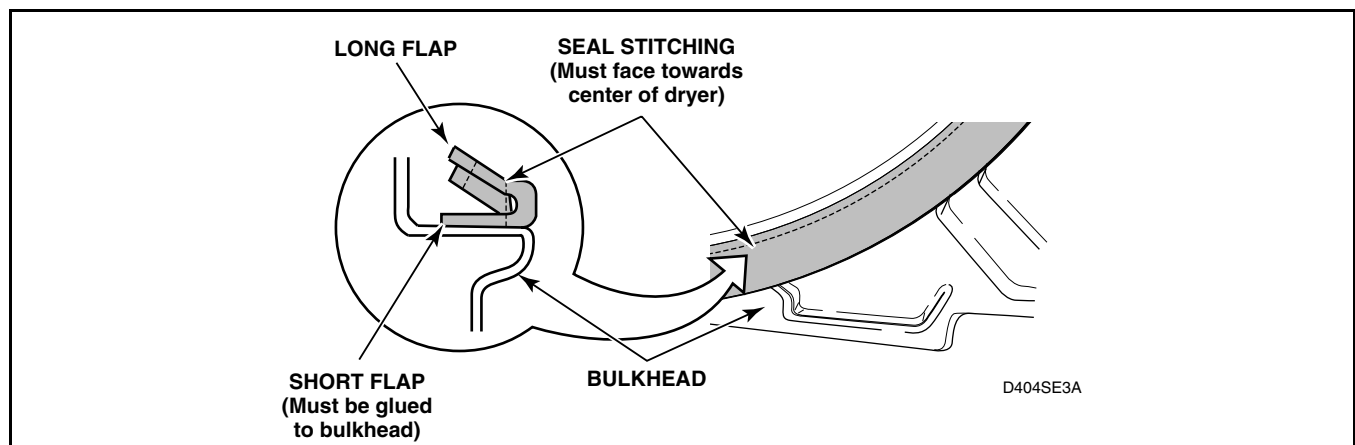


Figure 30

D404SE3A



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

### 46. CYLINDER BELT

- a. While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- c. Remove two screws holding bottom tabs on front panel to dryer side panels. Refer to *Figure 12*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- d. Disconnect wires from door switch. Refer to *Figure 11*.

**NOTE:** Refer to wiring diagram when rewiring switch.

- e. Disengage belt from motor and idler pulleys. Refer to *Figure 20*.
- f. Remove four screws holding bulkhead to front flange of cabinet. Then, lift complete bulkhead assembly out of slots in cabinet. Refer to *Figure 27*.

**NOTE:** Be sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. Refer to *Figure 20*. Belt must be positioned around cylinder between center and rear baffle screws with the ribbed surface against the cylinder. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

### 47. CYLINDER ASSEMBLY

- a. While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- c. Remove two screws holding bottom tabs on front panel to dryer side panels. Refer to *Figure 12*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- d. Disconnect wires from door switch. Refer to *Figure 11*.

**NOTE:** Refer to wiring diagram when rewiring switch.

- e. Disengage belt from motor and idler pulleys. Refer to *Figure 20*.

**NOTE:** When reinstalling belt, be sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. Refer to *Figure 20*. Belt must be positioned around cylinder between center and rear baffle screws with the ribbed surface against the cylinder. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

- f. Remove four screws holding bulkhead to front flange of cabinet. Then lift complete bulkhead and air duct assembly out of slots in cabinet. Refer to *Figure 27*.



## WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005

**IMPORTANT:** When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. Refer to *Figure 17*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

- g. While supporting cylinder, carefully remove belt from cylinder.



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1



## WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005

**IMPORTANT:** When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. Refer to *Figure 17*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

- g. Remove two cabinet top hold-down screws. Refer to *Figure 27*.
- h. Carefully remove cylinder out through front of dryer.
- i. Baffles – Remove screws holding baffles to cylinder. Refer to *Figure 31*.

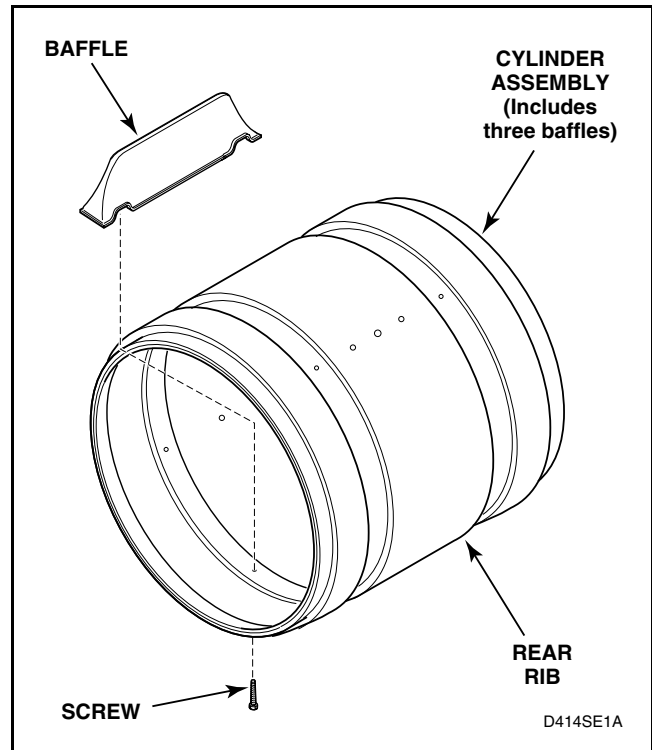


Figure 31



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

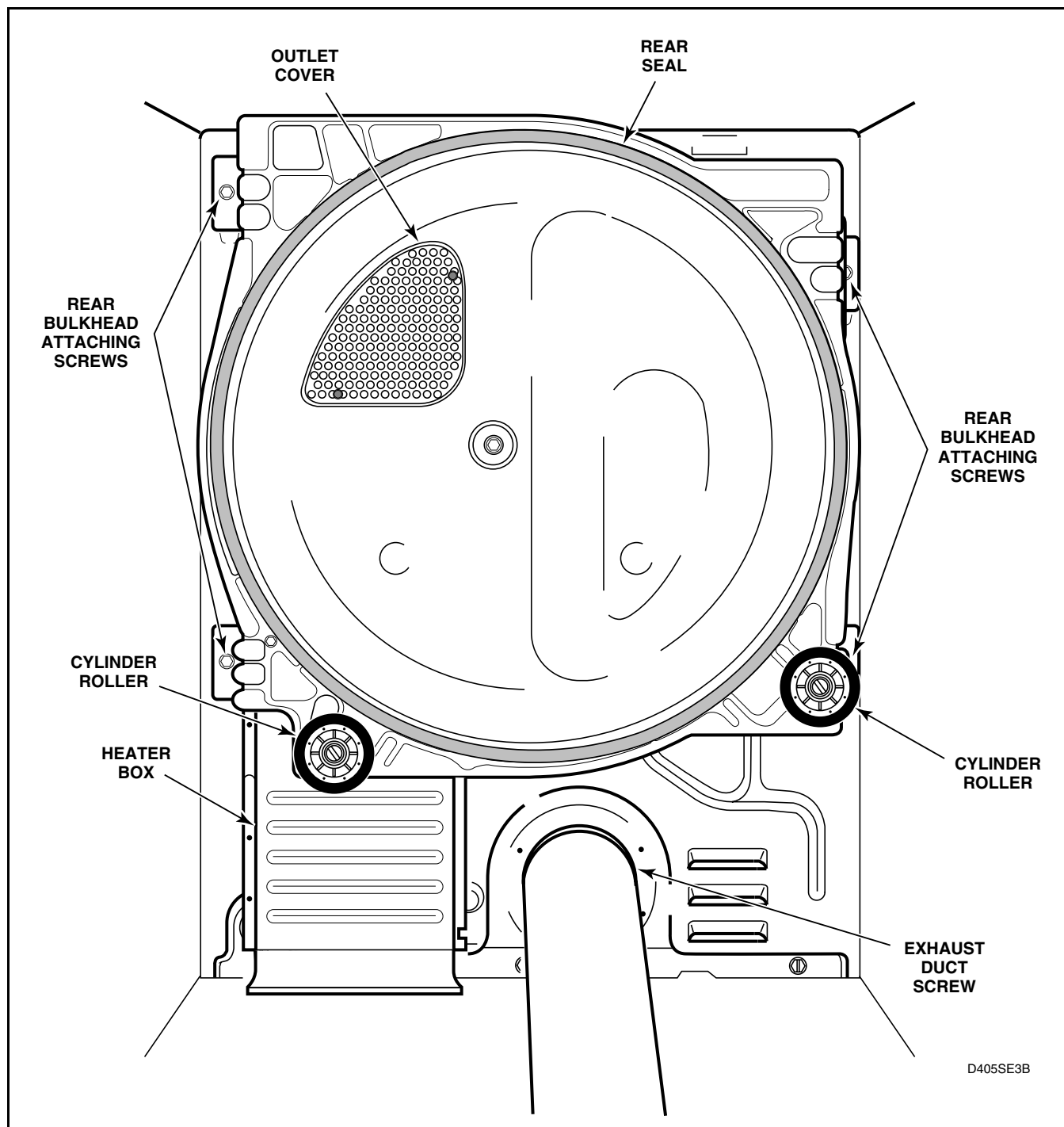


Figure 32



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

### 48. CYLINDER ROLLERS

- While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- Remove two screws holding bottom tabs on front panel to dryer side panels. Refer to *Figure 12*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- Disconnect wires from door switch. Refer to *Figure 11*.

**NOTE:** Refer to wiring diagram when rewiring switch.

- Disengage belt from motor and idler pulleys. Refer to *Figure 21*.
- Remove four screws holding bulkhead to front flange of cabinet. Then lift complete bulkhead assembly out of slots in cabinet. Refer to *Figure 27*.



## WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005

**IMPORTANT:** When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. Refer to *Figure 17*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

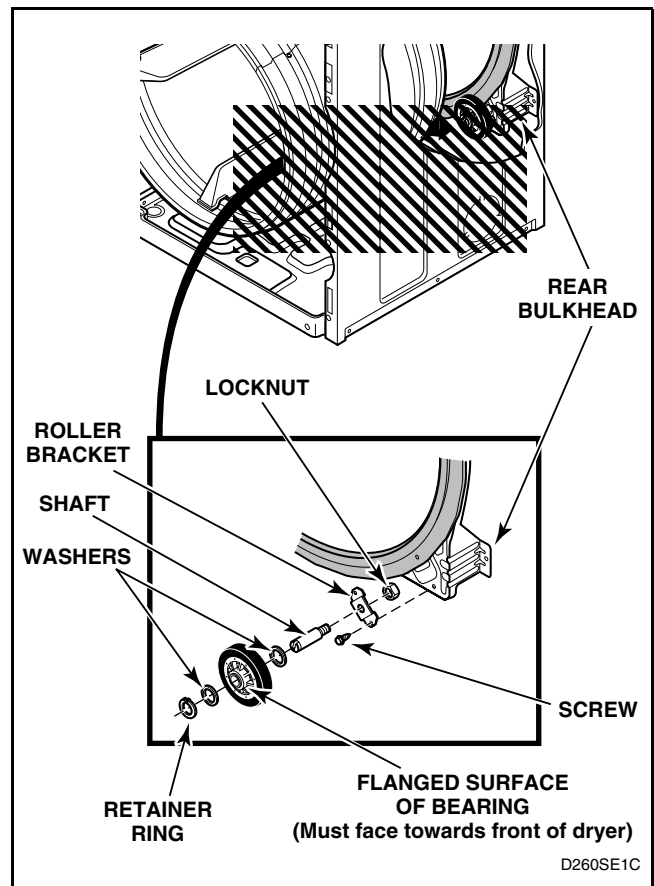
- Pull cylinder forward allowing rear of cylinder to drop down exposing rollers. Refer to *Figure 33*.
- Refer to *Figure 33* for removal of roller from bulkhead.

**NOTE:** When replacing the cylinder roller, it is important that cylinder roller is installed with the flanged surface of the bearing facing towards the front of the dryer.

### 49. OUTLET COVER

**NOTE:** Outlet cover is not removable from the heater duct assembly that originally came with the dryer. It is only removable from the replacement heater duct assembly, Part No. 510025P.

- Open door and remove two screws (if present) holding outlet cover to rear bulkhead. Refer to *Figure 32*.



D260SE1C

Figure 33



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

### 50. REAR BULKHEAD AND HEATER DUCT

- a. While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- c. Remove two screws from bottom tabs on front panel. Refer to *Figure 12*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- d. Disconnect wires from door switch. Refer to *Figure 11*.

**NOTE:** Refer to wiring diagram when rewiring switch.

- e. Disengage belt from motor and idler pulleys. Refer to *Figure 20*.

**NOTE:** When reinstalling belt, be sure belt is properly installed on motor and idler pulleys and is on the correct side of the idler lever. Refer to *Figure 20*. Belt must be positioned around cylinder between center and rear baffle screws with the ribbed surface against the cylinder. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

- f. Remove four screws holding bulkhead to front flange of cabinet. Then lift complete bulkhead assembly out of slots in cabinet. Refer to *Figure 27*.

**IMPORTANT:** When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. Refer to *Figure 17*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

- g. Remove two cabinet top hold-down screws. Refer to *Figure 26*.
- h. Carefully remove cylinder out through front of dryer.
- i. **Gas Models:**

- (1) **Silicon Carbide Ignition:** Disconnect igniter wires at disconnect blocks, sensor wires from sensor terminals, and wires from gas valve coils at the quick disconnect blocks. Refer to *Figure 13*.

**Silicon Nitride Ignition:** Disconnect wire harness from igniter and sensor assembly, and from gas valve coil at disconnect blocks. Refer to *Figure 13*.

- (2) Remove burner tube attaching screw from right side of burner housing, while holding burner tube in place. Refer to *Figure 16*.
- (3) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. Refer to *Figure 16*.
- (4) Carefully rotate burner tube and igniter **counterclockwise** so tab is at the 8 o'clock position.
- (5) Move air shutter end of burner tube slightly to right and **CAREFULLY** remove burner tube and igniter assembly out through front of dryer. Refer to *Figure 16*.

**IMPORTANT:** The igniter is very fragile. Be careful not to damage it during removal.

- (6) Remove screw holding burner housing to heat shroud. Refer to *Figure 13*.
- (7) Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer. Refer to *Figure 16*.
- (8) Remove two screws holding shroud to heater duct, and remove shroud out through front of dryer. Refer to *Figure 13*.



## WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005





## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

**j. Electric Models:**

- (1) Remove two screws holding element and plate to heater box, then pull element down and away from heater box. Refer to *Figure 16*.
- (2) Remove all wires from terminal block.

**NOTE:** Refer to wiring diagram when rewiring terminal block.

- (3) Remove screw holding terminal block to rear bulkhead. Refer to *Figure 35*.
  - (4) While supporting bulkhead, remove the four screws holding rear bulkhead to dryer cabinet, then lift complete assembly out of dryer. Refer to *Figure 32*.
  - (5) Remove heater duct from rear bulkhead. Refer to *Figure 34*.
- k. To remove heater duct from rear bulkhead. Refer to *Figure 34*.

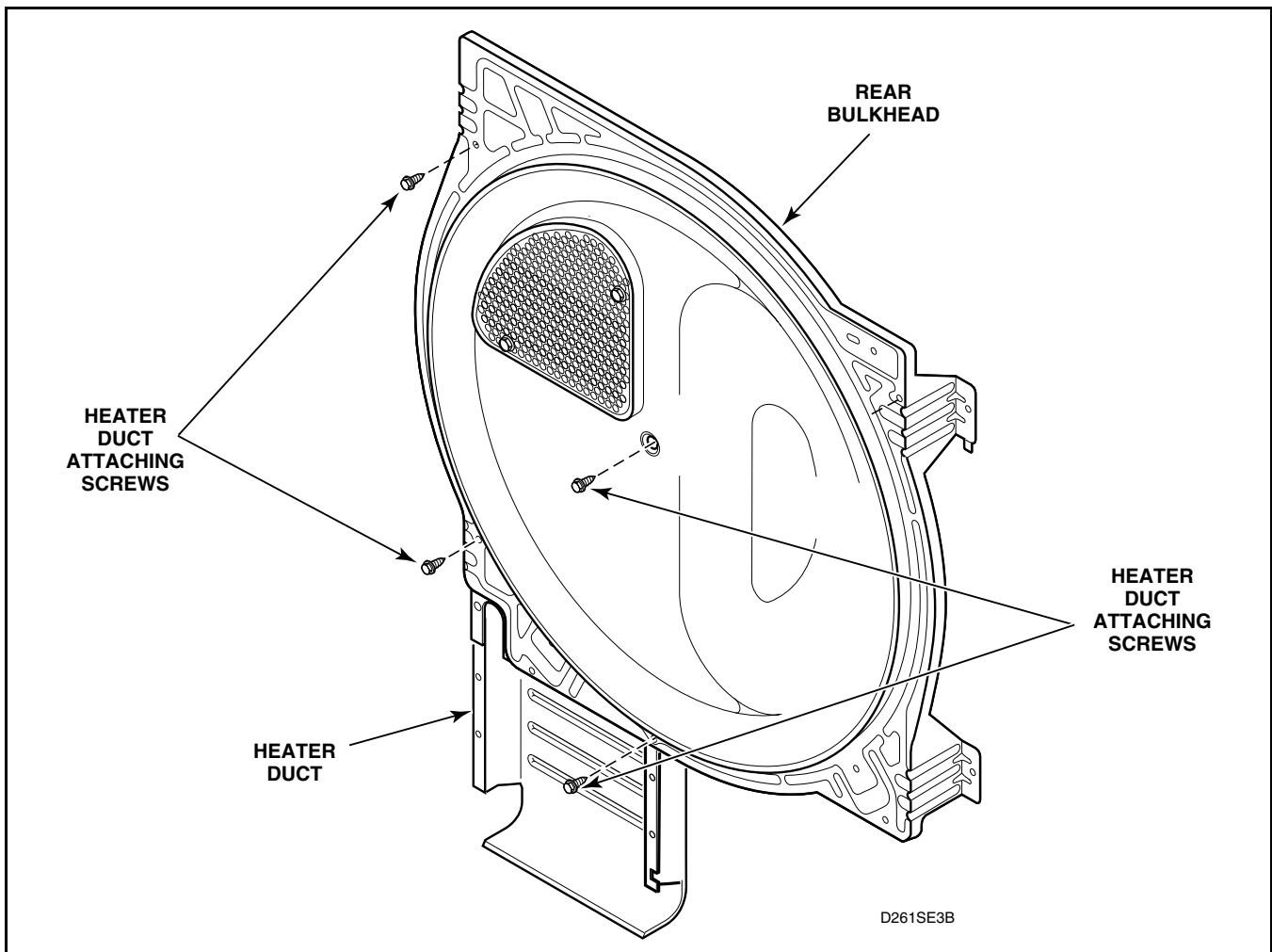


Figure 34

(continued)



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

### 51. TERMINAL BLOCK OR POWER CORD

#### a. Terminal Block:

- (1) While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- (2) Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- (3) Remove two screws holding bottom tabs on front panel to dryer side panels. Refer to *Figure 12*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- (4) Disconnect wires from door switch. Refer to *Figure 11*.

**NOTE:** Refer to wiring diagram when rewiring switch.

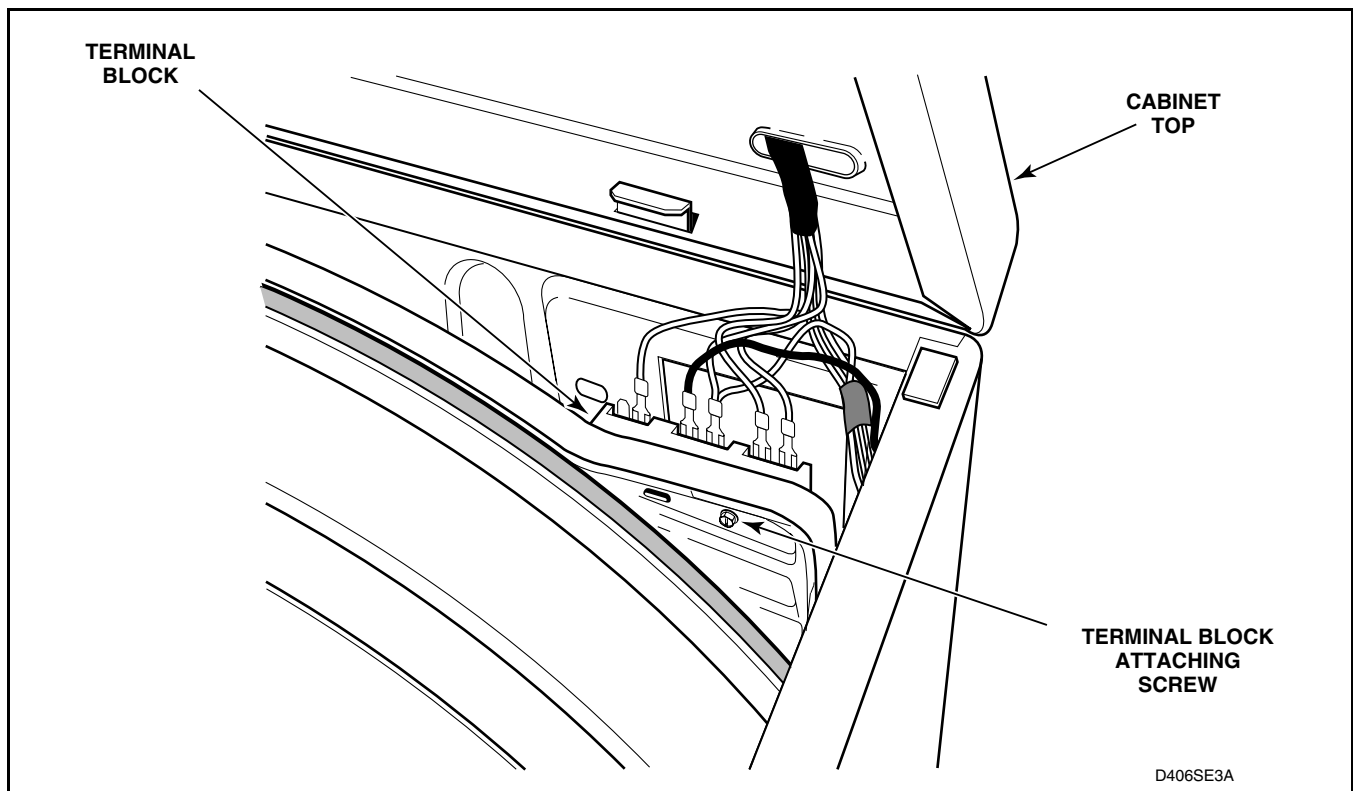
- (5) Remove two cabinet hold-down screws. Refer to *Figure 26*.
- (6) Lift cabinet top to a vertical position by hinging it on the rear hold-down brackets. Refer to *Figure 26*.

**NOTE:** When servicing, cabinet top may be raised and hinged on the rear hold-down brackets, or supported against wall behind the dryer.

- (7) Remove all wires from terminal block.

**NOTE:** Refer to wiring diagram when rewiring terminal block.

- (8) Remove screw holding terminal block to rear bulkhead. Refer to *Figure 35*.



D406SE3A

Figure 35



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

**b. Power Cord:**

- (1) Remove access plate on rear of cabinet.
- (2) Remove strain relief.
- (3) Remove screw holding power cord ground wire to rear bulkhead. Refer to *Figure 36*.

- (4) Disconnect moxex plug and remove power cord from rear of dryer cabinet.

**NOTE:** A qualified electrician should check the polarity of the wall receptacle. If a voltage reading is measured other than that illustrated, the qualified electrician should correct the problem.

**NOTE:** Reinstall screw and ground wires into same hole in bulkhead when reinstalling power cord.

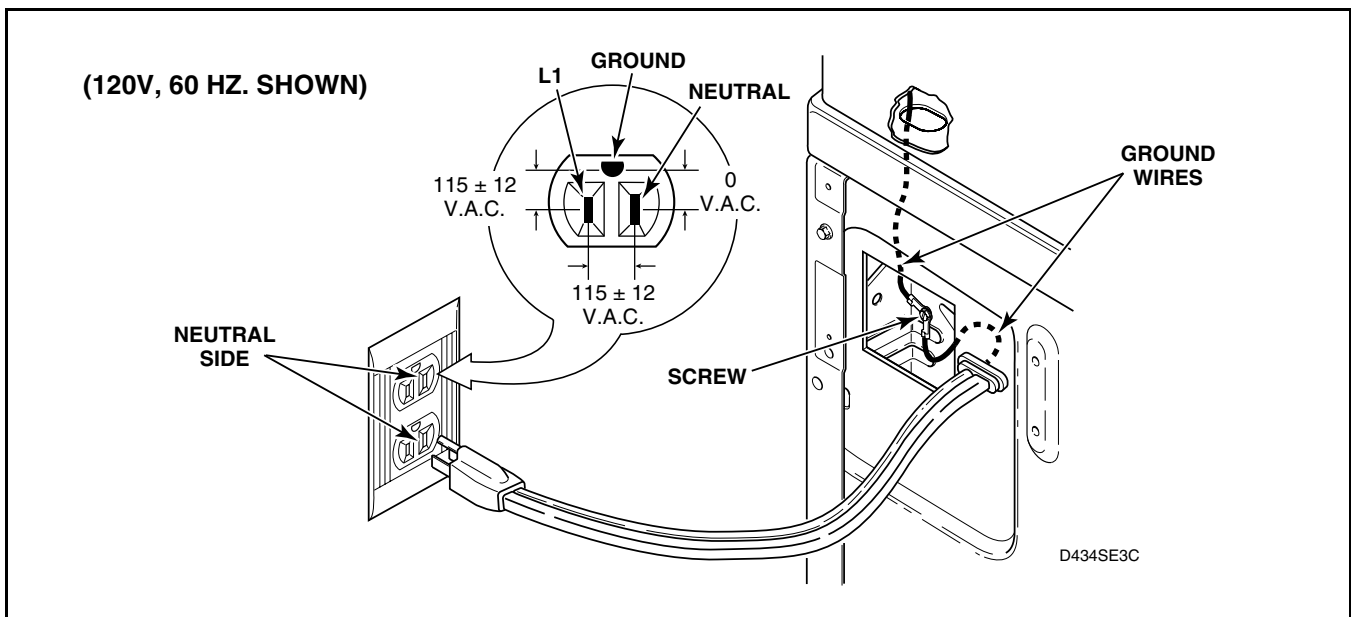


Figure 36



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

### 52. CABINET

#### a. Side Panels:

- (1) Remove two screws from bottom edge of access panel. Refer to *Figure 6*. Remove access panel.
- (2) Remove two screws holding bottom tabs on front panel to dryer cabinet front. Refer to *Figure 12*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- (3) Disconnect wires from door switch.

**NOTE: Refer to appropriate wiring diagram when rewiring control panel components.**

- (4) Remove front panel.
- (5) Disengage belt from motor and idler pulleys. Refer to *Figure 20*.

**NOTE: When reinstalling belt, be sure belt is properly installed on motor and idler pulleys and is on the correct side of the idler lever. Refer to *Figure 20*. Belt must be positioned around center section of cylinder approximately three inches ahead of rear rib on cylinder with the ribbed surface of the belt against the cylinder. Refer to *Figure 31*. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.**

- (6) Remove four screws holding front bulkhead to dryer. Refer to *Figure 26*.

**NOTE: Air duct can remain attached to front bulkhead.**

- (7) Remove two cabinet top hold-down screws. Refer to *Figure 26*.
- (8) Lift cabinet top to a vertical position by hinging it on the rear hold-down brackets. Refer to *Figure 26*.

**NOTE: When servicing, cabinet top may be raised and hinged on the rear hold-down brackets or supported against wall behind dryer.**

**NOTE: Retainer clips hold the wire harness to the side panel of the dryer. Remove these before attempting to withdraw wire harness.**

- (9) Carefully withdraw wire harness through hole in cabinet top and lift the top off the rear hold-down brackets.
- (10) Set cabinet top aside.
- (11) Remove nine screws holding side panel (left or right) to dryer. Refer to *Figure 37*. Remove side panel.

#### b. Back Panel:

- (1) Remove two screws from bottom edge of access panel. Refer to *Figure 6*. Remove access panel.
- (2) Remove two screws holding bottom tabs on front panel to dryer cabinet front. Refer to *Figure 12*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- (3) Disconnect wires from door switch.

**NOTE: Refer to appropriate wiring diagram when rewiring control panel components.**

- (4) Remove front panel.
- (5) Remove two cabinet top hold-down screws. Refer to *Figure 26*.
- (6) Lift cabinet top to a vertical position by hinging it on the rear hold-down brackets. Refer to *Figure 26*.

**NOTE: When servicing, cabinet top may be raised and hinged on the rear hold-down brackets or supported against wall behind dryer.**

- (7) Carefully withdraw wire harness through hole in cabinet top and lift the top off the rear hold-down brackets.

**NOTE: Retainer clips hold the wire harness to the side panel of the dryer. Remove these before attempting to withdraw wire harness.**

- (8) Set cabinet top aside.



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

- (9) Disengage belt from motor and idler pulleys. Refer to *Figure 20*.

**NOTE:** When reinstalling belt, be sure belt is properly installed on motor and idler pulleys and is on the correct side of the idler lever. Refer to *Figure 20*. Belt must be positioned around center section of cylinder approximately three inches ahead of rear rib on cylinder with the ribbed surface of the belt against the cylinder. Refer to *Figure 31*. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

- (10) Remove four screws holding front bulkhead to dryer. Refer to *Figure 27*.

**NOTE:** When reassembling the front bulkhead to the cabinet, hold glides in position with finger tips on the edges of glides. Once bulkhead is in place, inspect the glide position with a mirror to ensure the glides are aligned with the cylinder, making sure the tabs are visible. Refer to *Figure 29*.



## WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005

**IMPORTANT:** During reinstallation of front bulkhead, be sure that air duct is properly positioned with flange inside the seal on exhaust fan cover. Refer to *Figure 19*. If the duct or seal is installed improperly, the airflow through the dryer will be reduced which can cause fire and dryer malfunction.

- (11) **For Gas Models with Silicon Carbide Ignition:**

- (a) Disconnect igniter wires at disconnect blocks, sensor wires from sensor terminals (Refer to *Figure 13*), and wires from gas valve coils at the quick disconnect blocks. Refer to *Figure 16*.

- (b) Remove screw from right side of burner housing holding burner tube in place. Refer to *Figure 16*.
- (c) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. Refer to *Figure 13*.
- (d) Carefully rotate burner tube and igniter **counterclockwise** so tab is at the 8 o'clock position.
- (e) Move air shutter end of burner tube slightly to right and **CAREFULLY** remove burner tube and igniter assembly out through front of dryer.

**NOTE:** The igniter is very fragile. Be careful not to damage it during removal.

- (f) Remove screw holding burner housing to heat shroud. Refer to *Figure 13*.
- (g) Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer. Refer to *Figure 16*.
- (h) Remove four screws holding shroud to heater box. Remove shroud out through front of dryer. Refer to *Figure 13*.

### For Gas Models with Silicon Nitride Ignition:

- (a) Remove wire harness from ignition control.
- (b) Remove screws holding ignition control to bracket. Refer to *Figure 13*.
- (c) Carefully remove ignition control.
- (d) Remove wires from igniter and sensor assembly. Refer to *Figure 15*.
- (e) Remove screw holding burner tube to burner housing. Refer to *Figure 16*.
- (f) Remove screw holding burner housing to heat shroud. Refer to *Figure 13*.
- (g) Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer. Refer to *Figure 13*.

(continued)



## WARNING

**To reduce the risk of electric shock, fire, explosion, serious injury or death:**

- **Disconnect electric power to the dryer(s) before servicing.**
- **Close gas shut-off valve to gas dryer(s) before servicing.**
- **Never start the dryer(s) with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.**

W001R1

### **Electric Models:**

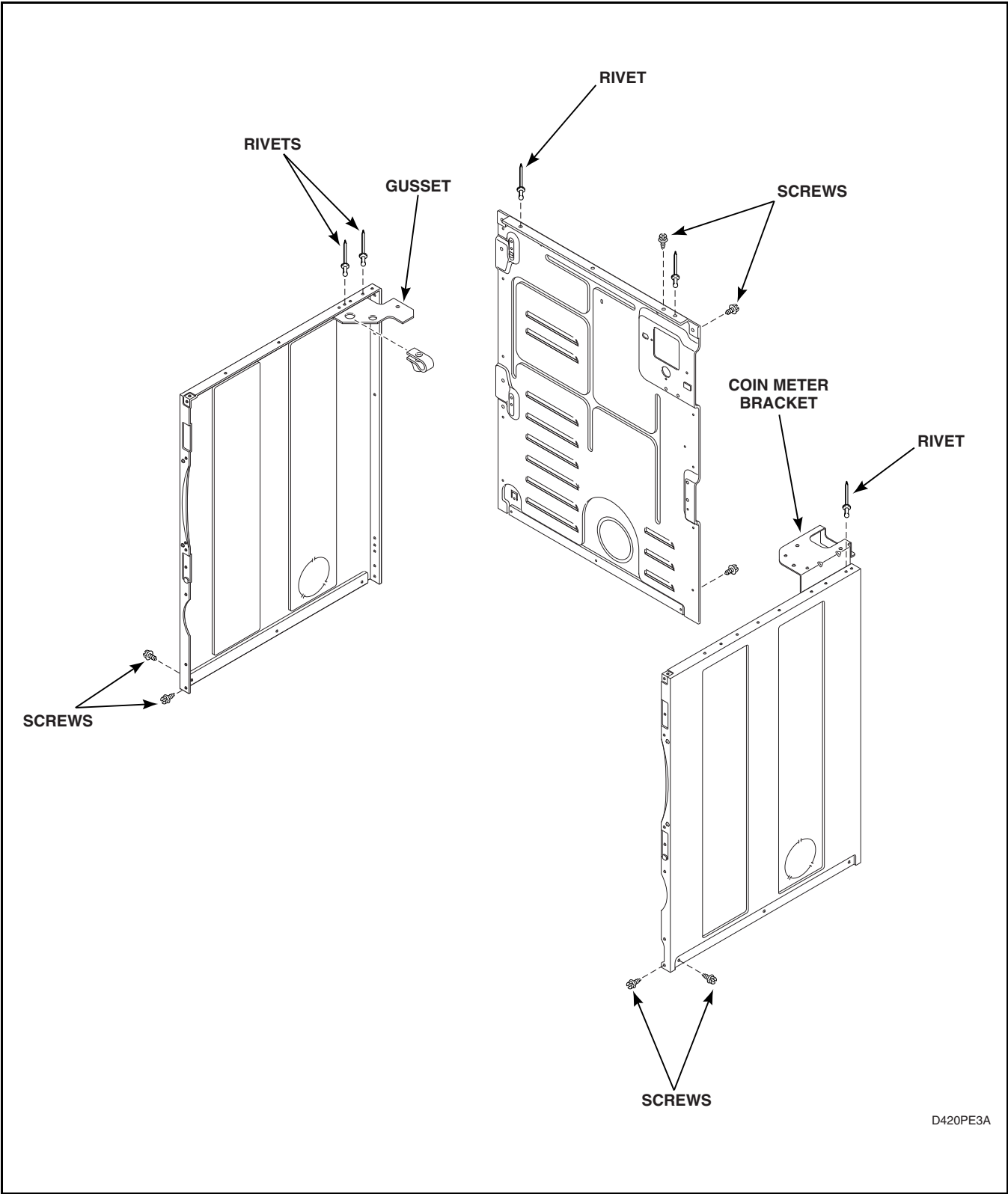
- (a) Remove two screws holding element and plate to heater box, then pull element down and away from heater box. Refer to *Figure 16*.
- (b) While supporting bulkhead, remove screws holding bulkhead to rear of dryer cabinet, and remove assembly out of dryer. Refer to *Figure 32*.
- (c) Remove screw holding exhaust duct to dryer cabinet and pull duct out of cabinet. Refer to *Figure 32*.
- (d) Remove two screws from each rear cabinet top hold-down bracket. Refer to *Figure 35*.
- (e) Remove screw holding terminal block access plate to rear of dryer cabinet and remove plate.
- (f) Remove wire harness clips.
- (g) Remove locators and screws.
- (12) Remove two cabinet top hold-down screws. Refer to *Figure 26*.

**NOTE: When servicing, cabinet top may be raised and hinged on the rear hold-down brackets or supported against wall behind dryer.**

- (13) Carefully withdraw wire harness through hole in cabinet top and lift the top off the rear hold-down brackets.

**NOTE: Retainer clips hold the wire harness to the side panel of the dryer. Remove these before attempting to withdraw wire harness.**

- (14) Set cabinet top aside.
- (15) Remove two rivets holding gusset and coin meter bracket to back panel. Refer to *Figure 37*.
- (16) Remove two screws holding hold-down brackets to back panel. Refer to *Figure 37*.
- (17) Remove 13 screws attaching back panel to dryer. Refer to *Figure 37*. Remove back panel.



D420PE3A

Figure 37



## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

### 53. BASE

- a. Remove two screws from bottom edge of access panel. Refer to *Figure 12*. Remove access panel.
- b. Remove two screws holding bottom tabs on front panel to dryer side panels. Refer to *Figure 12*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- c. Disconnect wires from door switch. Refer to *Figure 11*.

**NOTE:** Refer to appropriate wiring diagram when rewiring switch.



## WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005

#### d. Gas Models:

##### (1) Silicon Carbide Ignition:

Disconnect igniter wires at disconnect blocks, sensor wires from sensor terminals, and wires from gas valve coils at the quick disconnect blocks. Refer to *Figure 13*.

##### Silicon Nitride Ignition :

Disconnect wire harness from igniter and sensor assembly, and from gas valve coil at disconnect blocks. Refer to *Figure 13*.

- (2) Close main gas shut-off valve.
- (3) Disconnect gas line to dryer.
- (4) Remove three screws holding gas valve bracket to base and remove valve with attached lead-in pipe. Refer to *Figure 16*.
- (5) Remove screw holding burner tube in place from right side of burner housing. Refer to *Figure 16*.
- (6) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. Refer to *Figure 16*.

- (7) Carefully rotate burner tube and igniter counterclockwise so tab is at the 8 o'clock position, and CAREFULLY remove burner tube and igniter assembly out through front of dryer.

**IMPORTANT:** The igniter is very fragile. Be careful not to damage it during removal.

- (8) Remove screw holding front of burner housing to dryer base. Refer to *Figure 16*.
- (9) Remove four screws holding shroud to heater box and remove shroud and burner housing out through front of dryer. Refer to *Figure 13*.

#### e. Electric Models:

- (1) Remove two screws holding element and plate to heater box, then pull element down and away from heater box. Refer to *Figure 16*.
  - (2) Disconnect wire harness from limit thermostat, thermal fuse and/or heating element. Refer to *Figure 16*.
- f. Open loading door and remove lint filter screw and lint filter. Refer to *Figure 7*.
- g. Remove screws holding air duct to front bulkhead and remove air duct. Refer to *Figure 27*.

**IMPORTANT:** When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. Refer to *Figure 17*. If the duct or seal is installed improperly, the airflow through the dryer will be reduced which can adversely affect dryer performance.

- h. Disconnect wires from thermostat, and remove ground screw. Refer to *Figure 17*.

**NOTE:** Refer to appropriate wiring diagram when rewiring thermostat.

- i. Remove cylinder belt from idler and motor pulleys. Refer to *Figure 20*.





## WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

- j. Remove two screws holding motor mounting bracket to dryer base. Then pull complete assembly forward to disengage middle exhaust duct.
- k. Rotate the assembly **counterclockwise** 90° and slide out front of machine.
- l. Disconnect wires from motor switch and remove harness clip from motor bracket. Refer to *Figure 21*. Then, set motor and exhaust assembly off to the side.
- m. Remove screw holding bracket on exhaust duct to rear of cabinet and pull duct out of cabinet. Refer to *Figure 32*.

**IMPORTANT:** When reinstalling motor and exhaust assembly, be sure wire harness on right side is clipped to motor mounting bracket and is routed along dryer base (between motor mounting bracket and right side of cabinet). Refer to *Figure 17*. Tab on rear of motor mounting bracket must be slid into slot in dryer base. Be sure the belt has been installed on the correct side of the idler lever. Refer to *Figure 20*.

- n. Remove cabinet per *Paragraph 52*.
- o. Remove leveling legs from base and reinstall on new base. Refer to *Figure 38*.

## Notes

[illegible]

# Section 6

## Adjustments



### WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

#### 54. LEVELING LEGS

(Figure 38)

**NOTE:** Dryer should be installed on a solid and level floor.

- a. Place dryer in position, adjusting the legs until dryer is level.

**NOTE:** Legs can be adjusted outside the dryer by using a 1-1/4 inch size wrench, or from inside the dryer (with lower front access panel removed) by using a 1/4 inch drive ratchet with extension.

- b. Keep dryer as close to the floor as possible. All four legs must rest firmly on the floor so weight of the dryer is evenly distributed. The dryer **MUST NOT** rock.



### WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005

**IMPORTANT:** DO NOT move the dryer at any time unless the dryer is completely assembled. DO NOT slide the dryer across the floor once the leveling legs have been extended as the legs and base could become damaged.

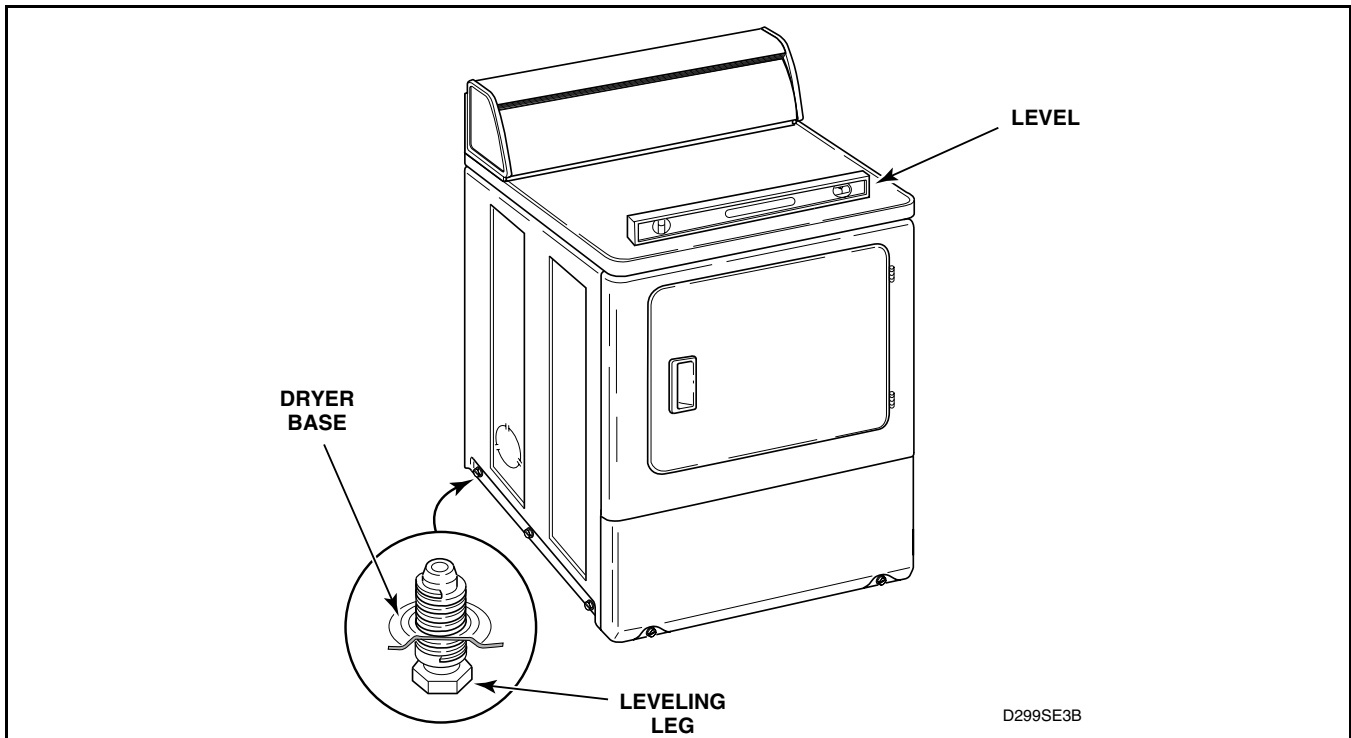


Figure 38



## WARNING

**To reduce the risk of electric shock, fire, explosion, serious injury or death:**

- **Disconnect electric power to the dryer(s) before servicing.**
- **Close gas shut-off valve to gas dryer(s) before servicing.**
- **Never start the dryer(s) with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.**

W001R1

### 55. BURNER FLAME (Gas Models)

- a. While supporting the access panel, remove two screws from bottom edge of access panel. Refer to *Figure 6*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. Refer to *Figure 12*.
- c. Set timer at “60” minutes.
- d. Close the loading door. Start the dryer in a heat setting (refer to Operating Instructions supplied with the dryer). The dryer will start, the igniter will glow red, and the main burner will ignite.
- e. Allow the dryer to operate for approximately five minutes, then loosen the air shutter lock screw. Refer to *Figure 39*.
- f. Turn the air shutter to the left to get a luminous yellow tipped flame, then turn it back slowly to the right to obtain a steady blue flame.
- g. After proper flame is obtained, tighten air shutter lock screw firmly. Refer to *Figure 39*.
- h. Reinstall lower front access panel and screws.

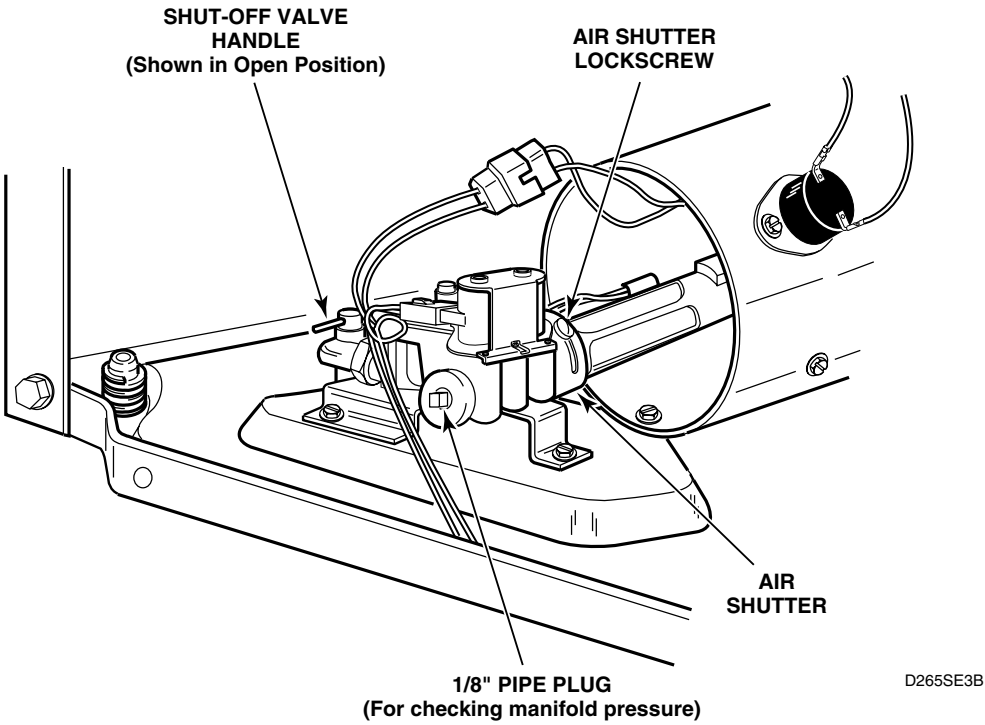


## WARNING

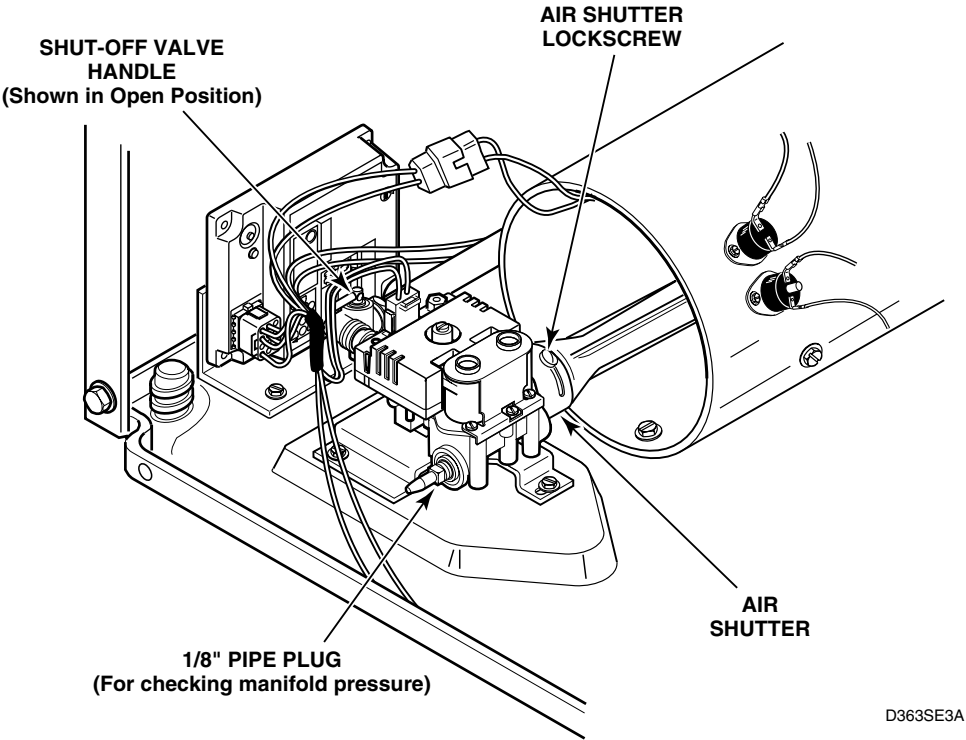
**To reduce the risk of fire or serious injury, the access panel must be in place during normal operation.**

W262

After the dryer has operated for approximately three minutes, exhaust air or exhaust pipe should be warm.



SILICON CARBIDE IGNITION SYSTEM



SILICON NITRIDE IGNITION SYSTEM

Figure 39

## Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# Section 7

## Internal Wiring Of Dryer Motor Switch



### WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

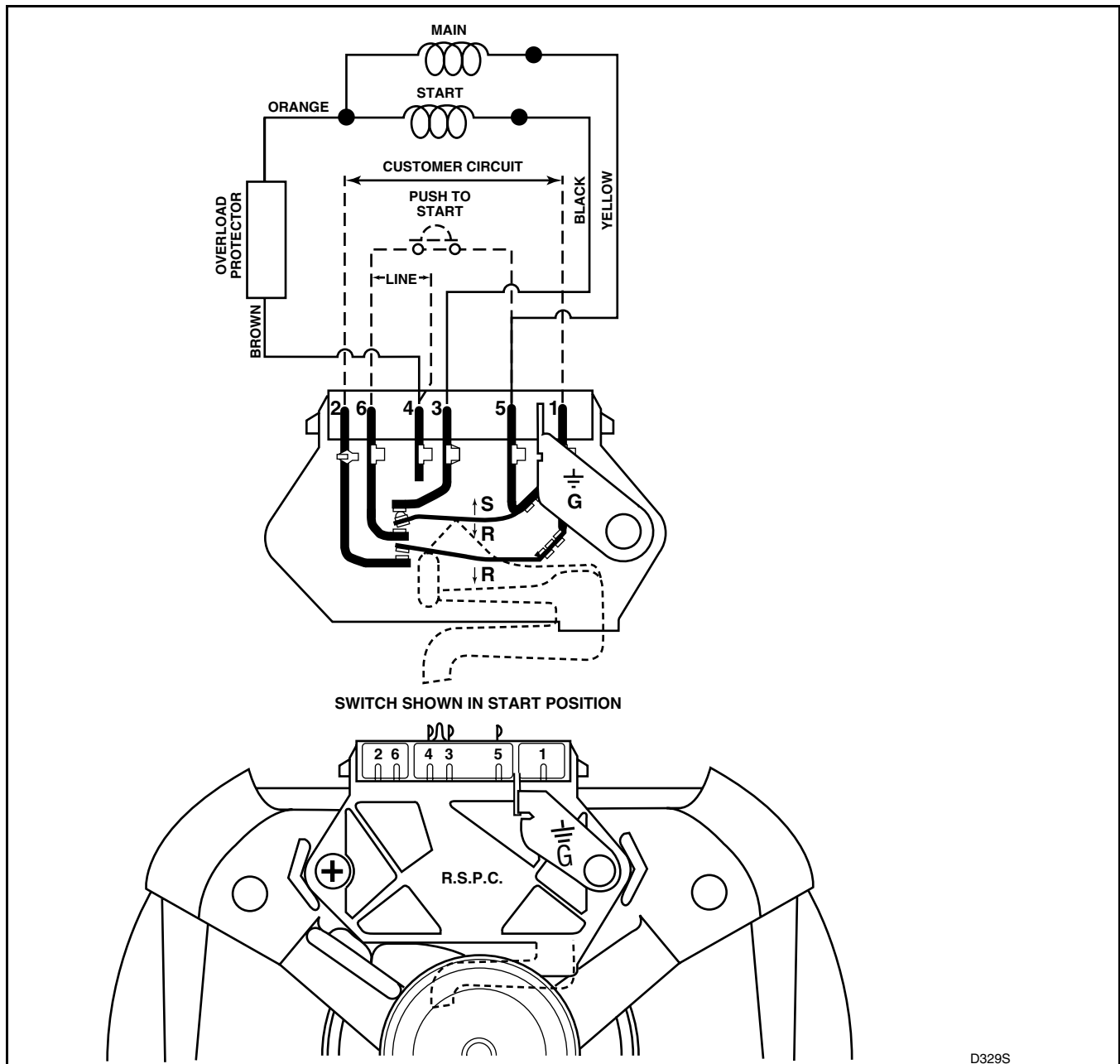


Figure 40

## Notes

This image shows a full page of blank, lined paper. It features approximately 28 horizontal black lines spaced evenly across the page, typical of notebook or legal stationery. The lines are thin and extend from the left edge to the right edge. There are no margins, text, or other markings on the page.



# Section 8

## Wiring Diagrams



### WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030

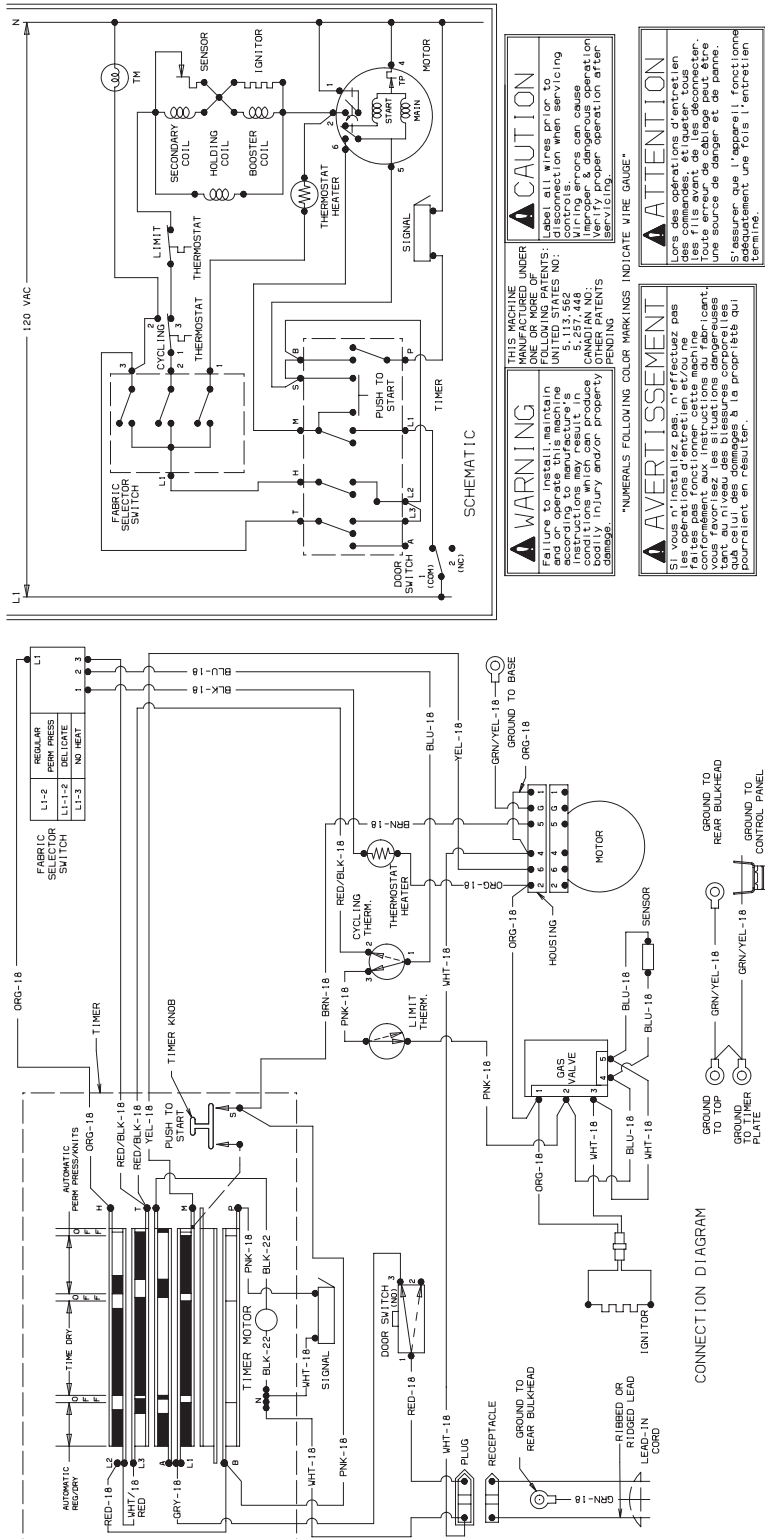
WIRING DIAGRAMS AND SCHEMATICS  
FOUND ON THE FOLLOWING PAGES  
ARE FOR MODELS COVERED IN THIS MANUAL.



# WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030



**WARNING**  
Failure to install, maintain, and/or operate this machine according to manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

**CAUTION**  
Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

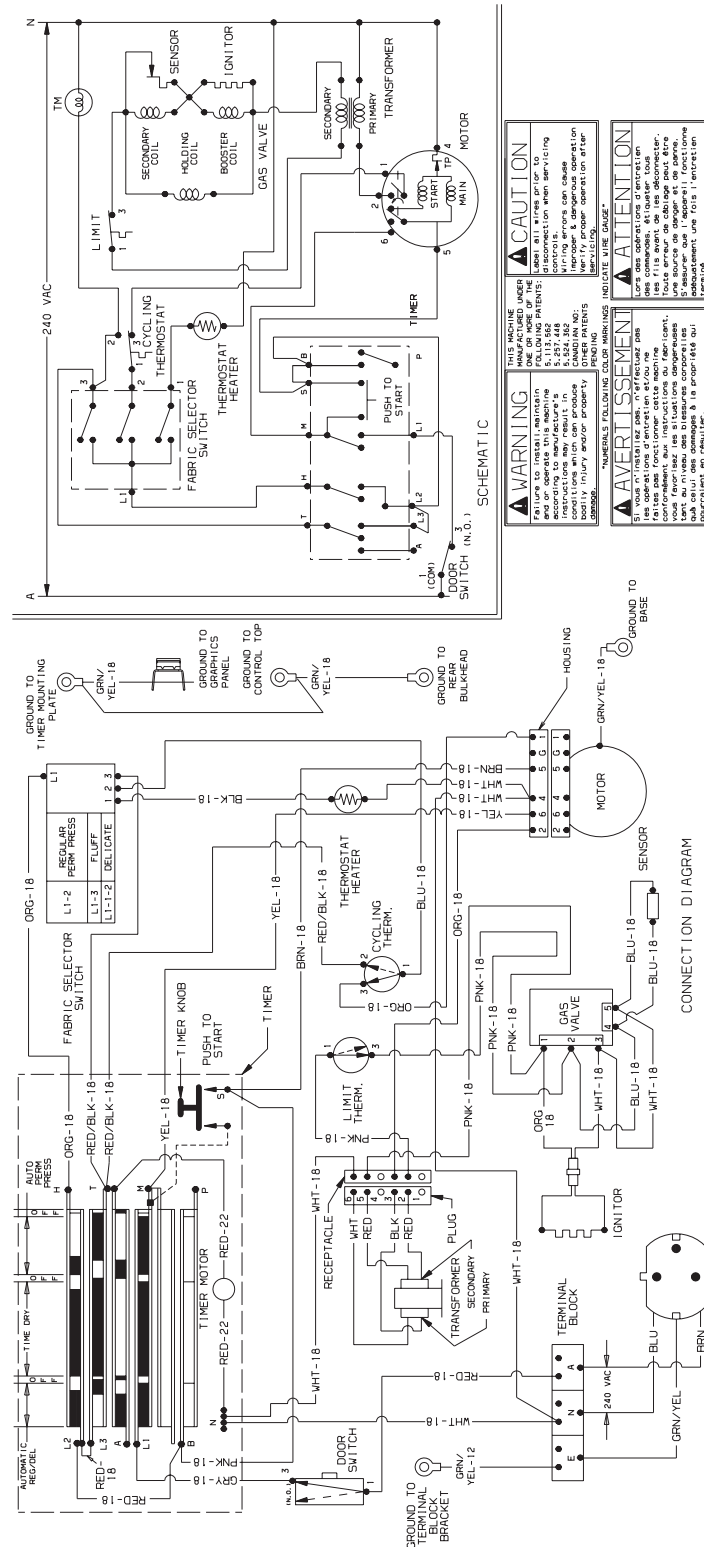
PART NO. 510803



# WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030



PART NO. 510837

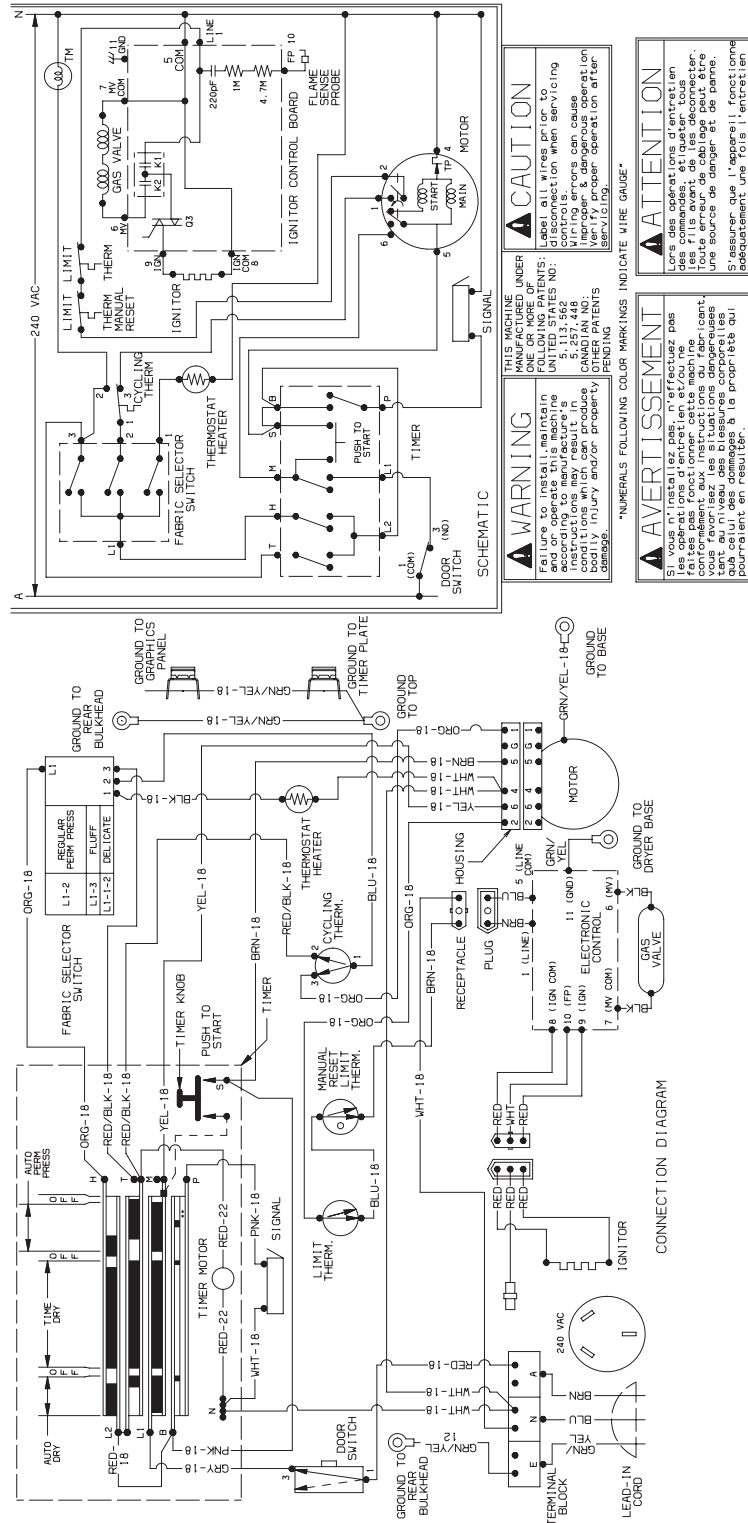
MODELS LGS17A\*F3020 AND LGS17A\*F3081



# WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030



PART NO. 510821

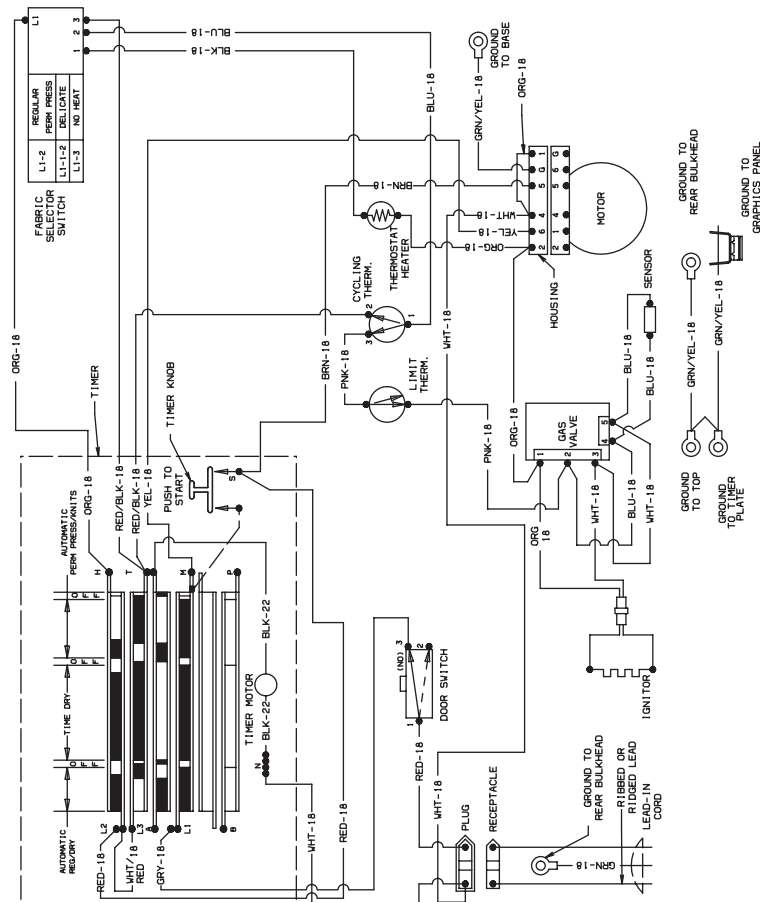
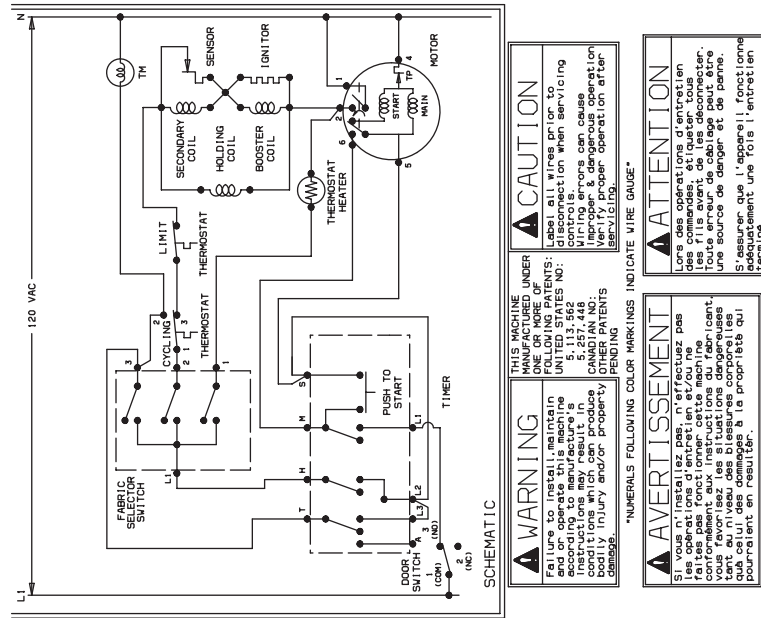
MODELS LGG37A\*F3058 AND LGK37A\*F3058



## WARNING

**Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.**

W030



## MODELS LGS17A\*F, LGS17A\*F1180 AND LGS17A\*K1180

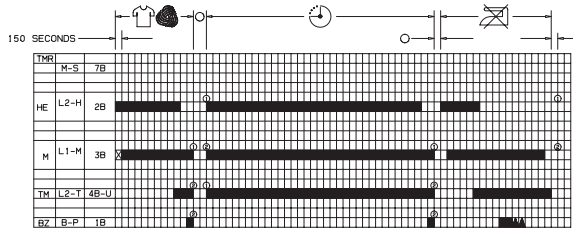
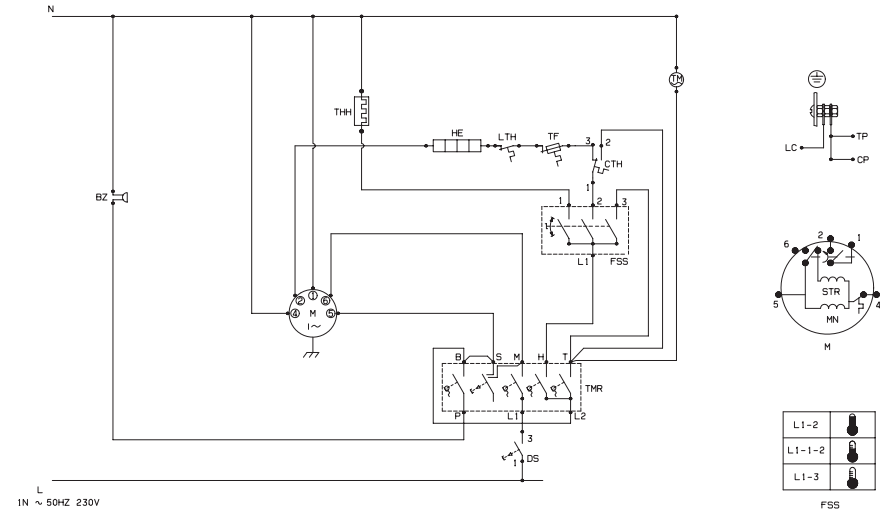
PART NO. 510825



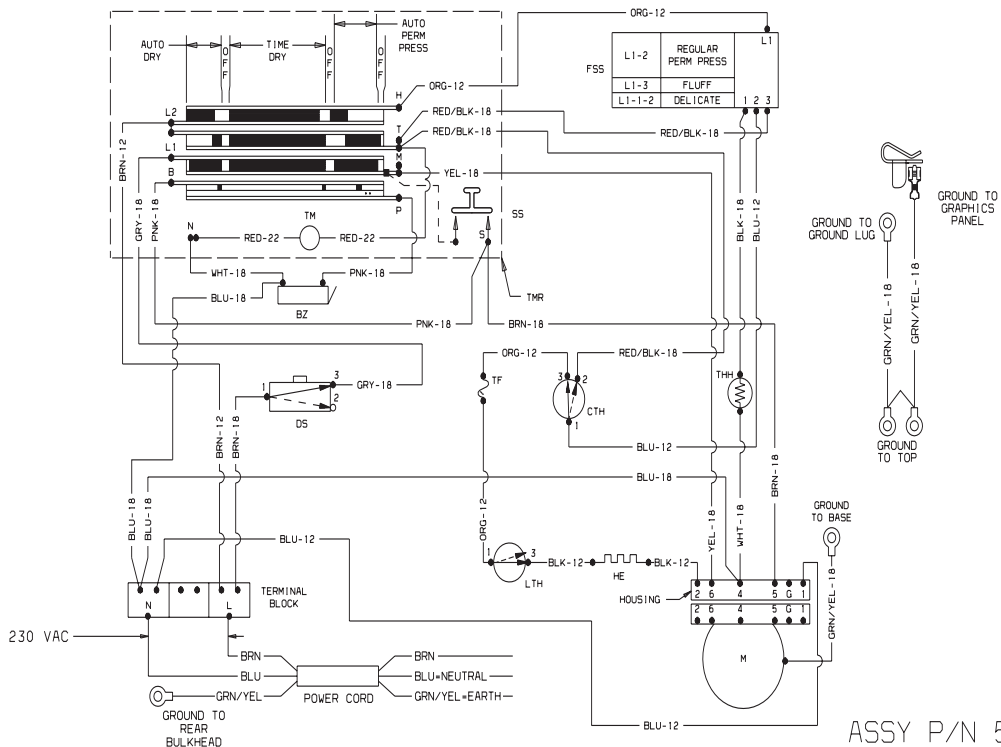
# WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030



510922



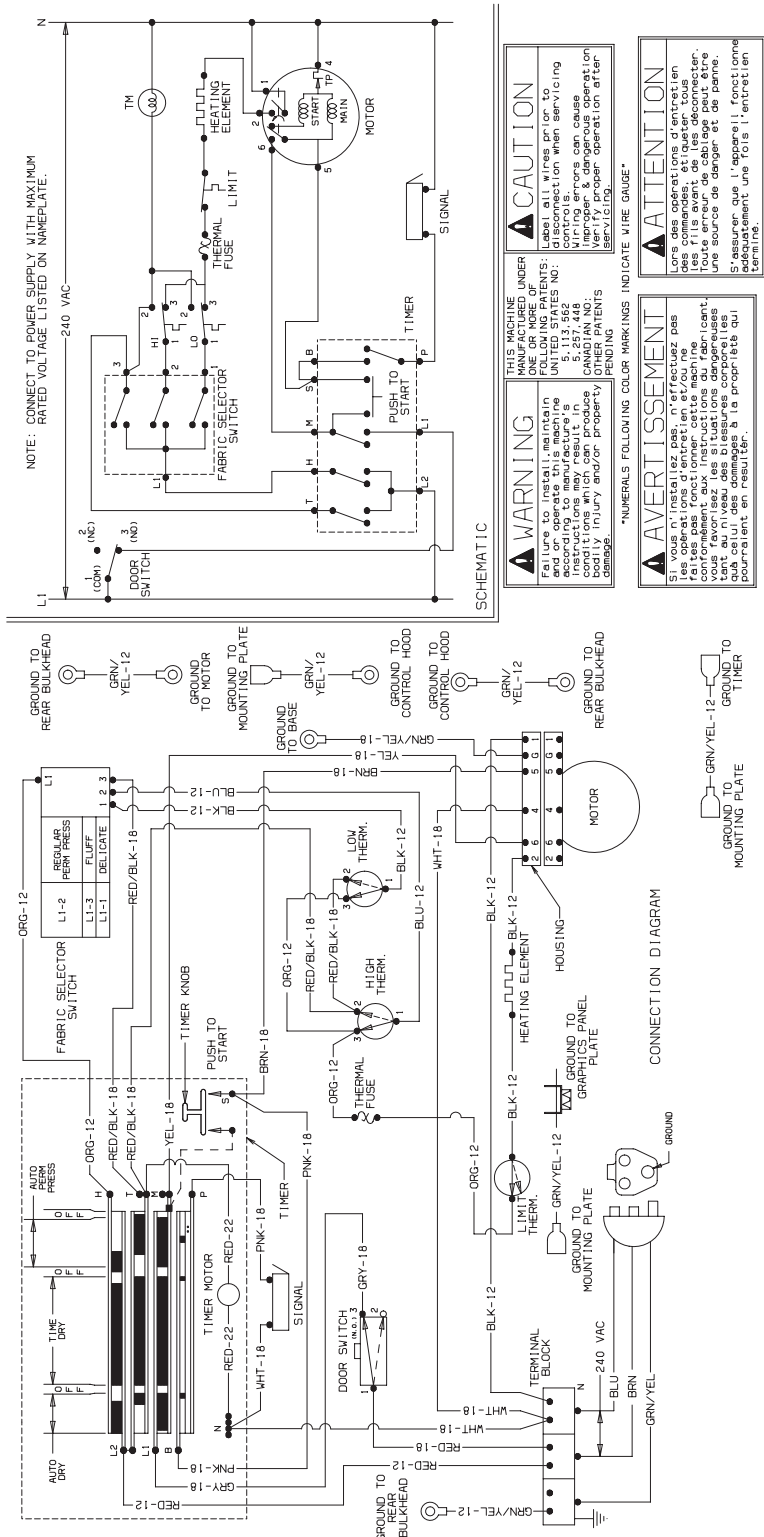
MODELS LES37A\*G3018 AND LEZ37A\*G3018



# WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030



**WARNING**

Failure to install, maintain, and/or operate this machine according to manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

**CAUTION**

Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

**ATTENTION**

Lors des opérations d'entretien, étiquetez tous les fils avant de les déconnecter. Toute erreur de câblage peut être la cause de dommages. Vérifiez le bon fonctionnement de l'appareil à l'opération terminée.

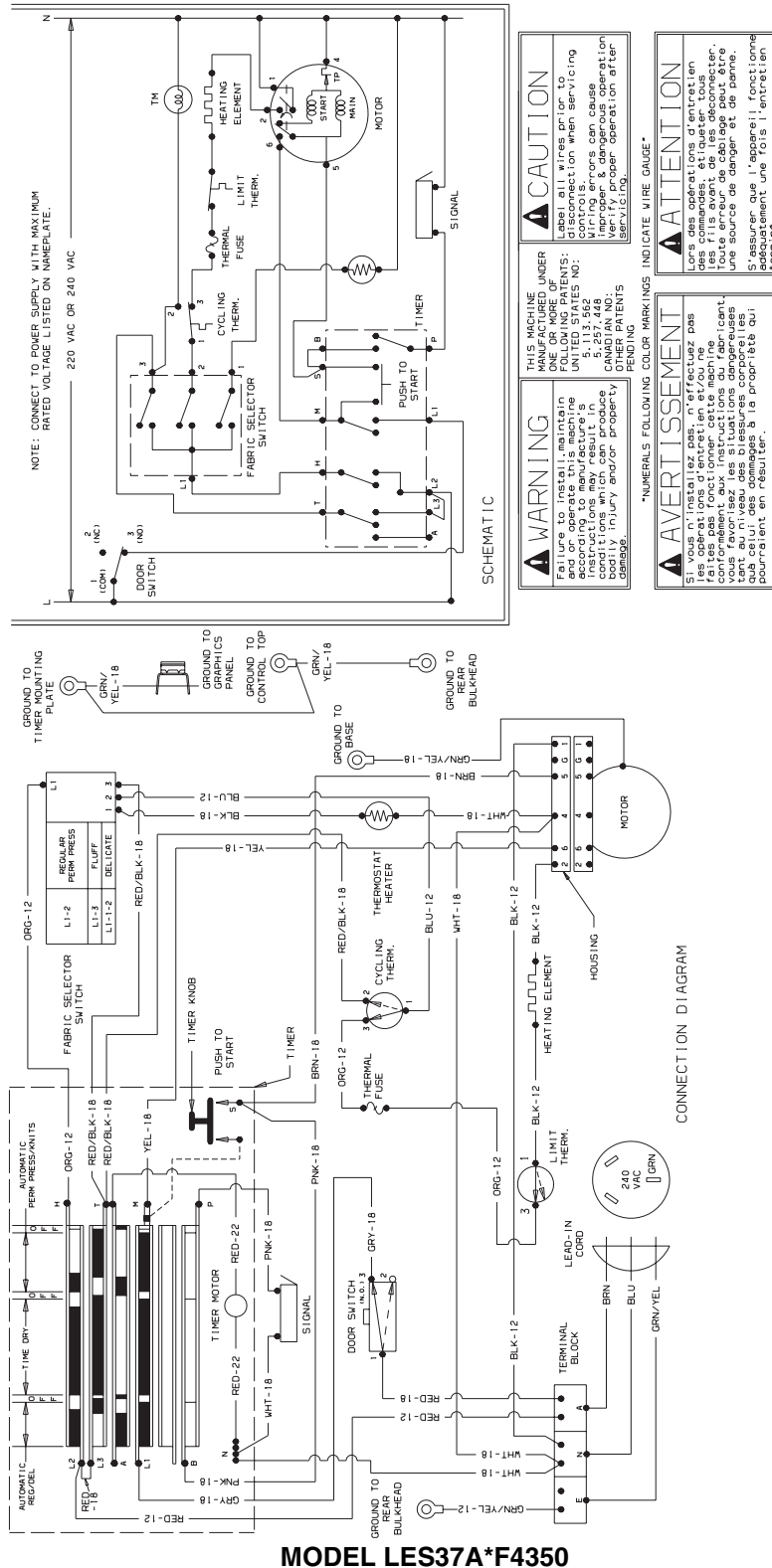
PART NO. 510822



# WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030



PART NO. 510854



**Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.**

NOTE: CONNECT TO POWER SUPPLY WITH MAXIMUM RATED VOLTAGE LISTED ON NAMEPLATE.

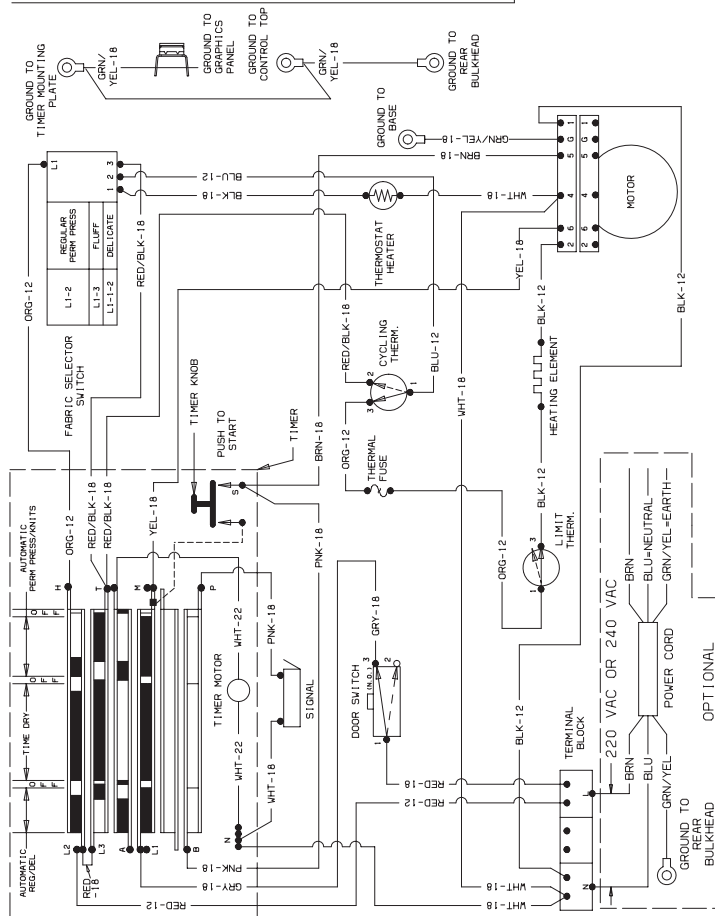
220 VAC OR 240 VAC

The schematic diagram illustrates the electrical system of a freezer unit. It includes a door switch with common (COM), normally closed (NC), and normally open (NO) contacts. The wiring involves a thermal fuse, a cycling switch, a fabric selector switch, a thermostat heater, a motor with start and main windings, a heating element, and a timer. A signal lamp is also shown. The diagram is labeled with various terminals and components, and a note specifies connecting to a 220 VAC or 240 VAC power supply.

SCHEMATIC

<p><b>▲ WARNING</b></p> <p>Failure to install maintain according to manufacturer's instructions will void the warranty and can produce bodily injury and/or property damage.</p>	<p><b>▲ CAUTION</b></p> <p>Labels will wires prior to installing. Do not use controls.</p> <p>Do not use a dangerous operation for 170° power operation after 170° power operation after</p>
<p><b>▲ WARNING</b></p> <p>MANUFACTURED UNDER PATENTED PATENTS: 5,237,448 5,237,449 5,237,450 5,237,451 5,237,452 5,237,453 5,237,454 5,237,455 5,237,456 5,237,457 5,237,458 5,237,459 5,237,460 5,237,461 5,237,462 5,237,463 5,237,464 5,237,465 5,237,466 5,237,467 5,237,468 5,237,469 5,237,470 5,237,471 5,237,472 5,237,473 5,237,474 5,237,475 5,237,476 5,237,477 5,237,478 5,237,479 5,237,480 5,237,481 5,237,482 5,237,483 5,237,484 5,237,485 5,237,486 5,237,487 5,237,488 5,237,489 5,237,490 5,237,491 5,237,492 5,237,493 5,237,494 5,237,495 5,237,496 5,237,497 5,237,498 5,237,499 5,237,500 5,237,501 5,237,502 5,237,503 5,237,504 5,237,505 5,237,506 5,237,507 5,237,508 5,237,509 5,237,510 5,237,511 5,237,512 5,237,513 5,237,514 5,237,515 5,237,516 5,237,517 5,237,518 5,237,519 5,237,520 5,237,521 5,237,522 5,237,523 5,237,524 5,237,525 5,237,526 5,237,527 5,237,528 5,237,529 5,237,530 5,237,531 5,237,532 5,237,533 5,237,534 5,237,535 5,237,536 5,237,537 5,237,538 5,237,539 5,237,540 5,237,541 5,237,542 5,237,543 5,237,544 5,237,545 5,237,546 5,237,547 5,237,548 5,237,549 5,237,550 5,237,551 5,237,552 5,237,553 5,237,554 5,237,555 5,237,556 5,237,557 5,237,558 5,237,559 5,237,560 5,237,561 5,237,562 5,237,563 5,237,564 5,237,565 5,237,566 5,237,567 5,237,568 5,237,569 5,237,570 5,237,571 5,237,572 5,237,573 5,237,574 5,237,575 5,237,576 5,237,577 5,237,578 5,237,579 5,237,580 5,237,581 5,237,582 5,237,583 5,237,584 5,237,585 5,237,586 5,237,587 5,237,588 5,237,589 5,237,590 5,237,591 5,237,592 5,237,593 5,237,594 5,237,595 5,237,596 5,237,597 5,237,598 5,237,599 5,237,600 5,237,601 5,237,602 5,237,603 5,237,604 5,237,605 5,237,606 5,237,607 5,237,608 5,237,609 5,237,610 5,237,611 5,237,612 5,237,613 5,237,614 5,237,615 5,237,616 5,237,617 5,237,618 5,237,619 5,237,620 5,237,621 5,237,622 5,237,623 5,237,624 5,237,625 5,237,626 5,237,627 5,237,628 5,237,629 5,237,630 5,237,631 5,237,632 5,237,633 5,237,634 5,237,635 5,237,636 5,237,637 5,237,638 5,237,639 5,237,640 5,237,641 5,237,642 5,237,643 5,237,644 5,237,645 5,237,646 5,237,647 5,237,648 5,237,649 5,237,650 5,237,651 5,237,652 5,237,653 5,237,654 5,237,655 5,237,656 5,237,657 5,237,658 5,237,659 5,237,660 5,237,661 5,237,662 5,237,663 5,237,664 5,237,665 5,237,666 5,237,667 5,237,668 5,237,669 5,237,670 5,237,671 5,237,672 5,237,673 5,237,674 5,237,675 5,237,676 5,237,677 5,237,678 5,237,679 5,237,680 5,237,681 5,237,682 5,237,683 5,237,684 5,237,685 5,237,686 5,237,687 5,237,688 5,237,689 5,237,690 5,237,691 5,237,692 5,237,693 5,237,694 5,237,695 5,237,696 5,237,697 5,237,698 5,237,699 5,237,700 5,237,701 5,237,702 5,237,703 5,237,704 5,237,705 5,237,706 5,237,707 5,237,708 5,237,709 5,237,710 5,237,711 5,237,712 5,237,713 5,237,714 5,237,715 5,237,716 5,237,717 5,237,718 5,237,719 5,237,720 5,237,721 5,237,722 5,237,723 5,237,724 5,237,725 5,237,726 5,237,727 5,237,728 5,237,729 5,237,730 5,237,731 5,237,732 5,237,733 5,237,734 5,237,735 5,237,736 5,237,737 5,237,738 5,237,739 5,237,740 5,237,741 5,237,742 5,237,743 5,237,744 5,237,745 5,237,746 5,237,747 5,237,748 5,237,749 5,237,750 5,237,751 5,237,752 5,237,753 5,237,754 5,237,755 5,237,756 5,237,757 5,237,758 5,237,759 5,237,760 5,237,761 5,237,762 5,237,763 5,237,764 5,237,765 5,237,766 5,237,767 5,237,768 5,237,769 5,237,770 5,237,771 5,237,772 5,237,773 5,237,774 5,237,775 5,237,776 5,237,777 5,237,778 5,237,779 5,237,780 5,237,781 5,237,782 5,237,783 5,237,784 5,237,785 5,237,786 5,237,787 5,237,788 5,237,789 5,237,790 5,237,791 5,237,792 5,237,793 5,237,794 5,237,795 5,237,796 5,237,797 5,237,798 5,237,799 5,237,800 5,237,801 5,237,802 5,237,803 </p>	

PART NO. 510838



### CONNECTION DIAGRAM

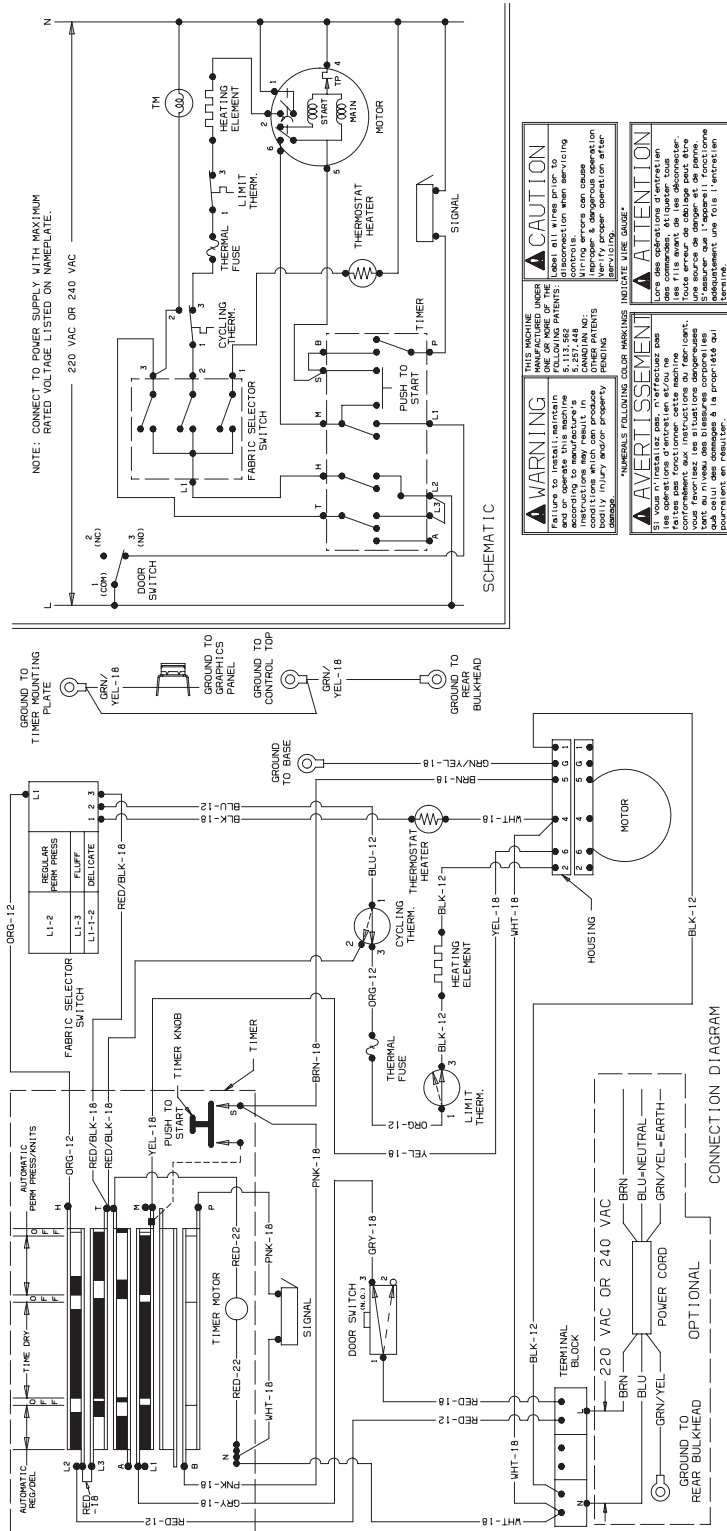
**MODEL LES37A\*F3300**



## WARNING

**Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.**

W030



## MODELS LES37A\*F3000 AND LEZ37A\*F3000

PART NO. 510850

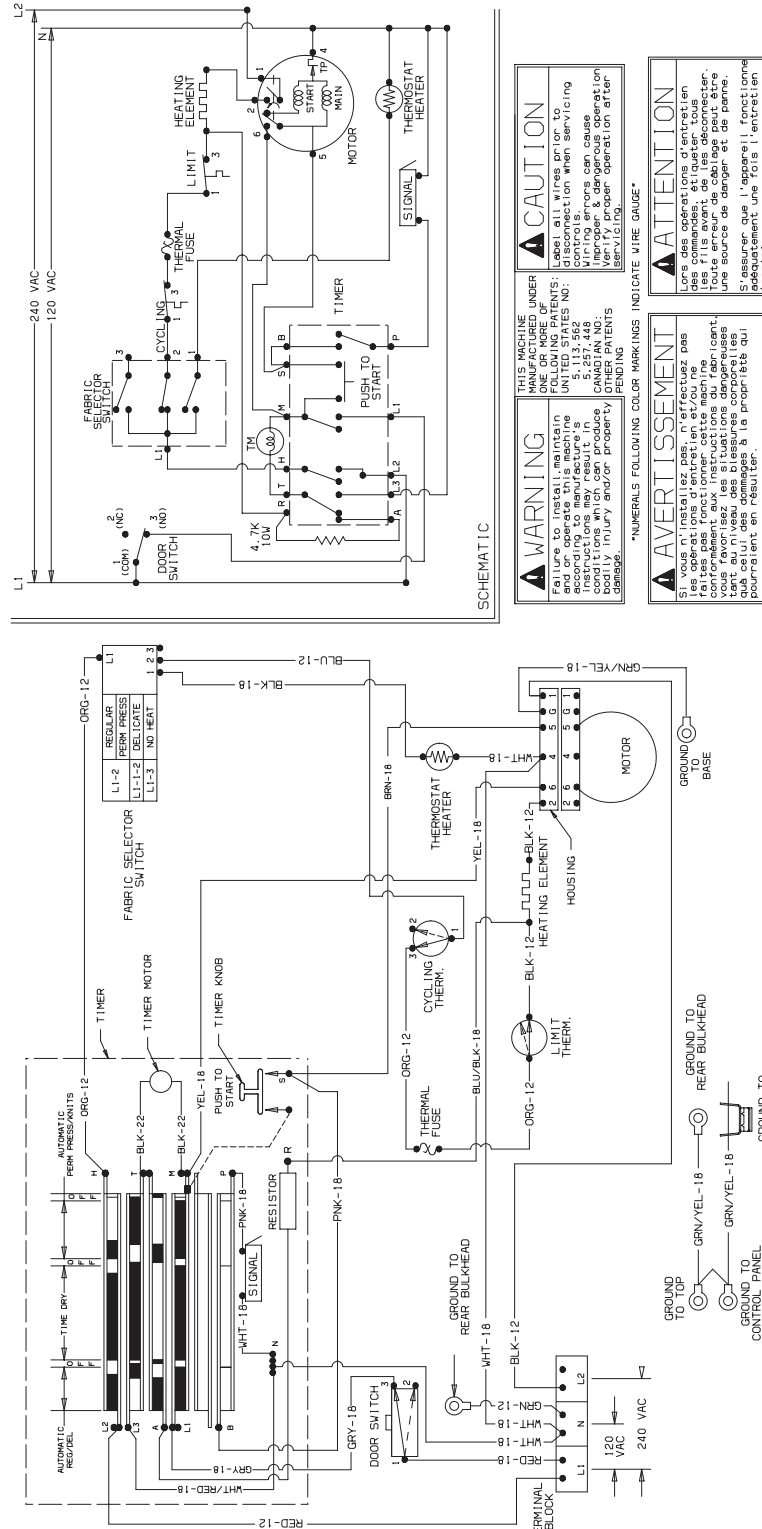
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## WARNING

**Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.**

W030



PART NO. 510802R1

### CONNECTION DIAGRAM

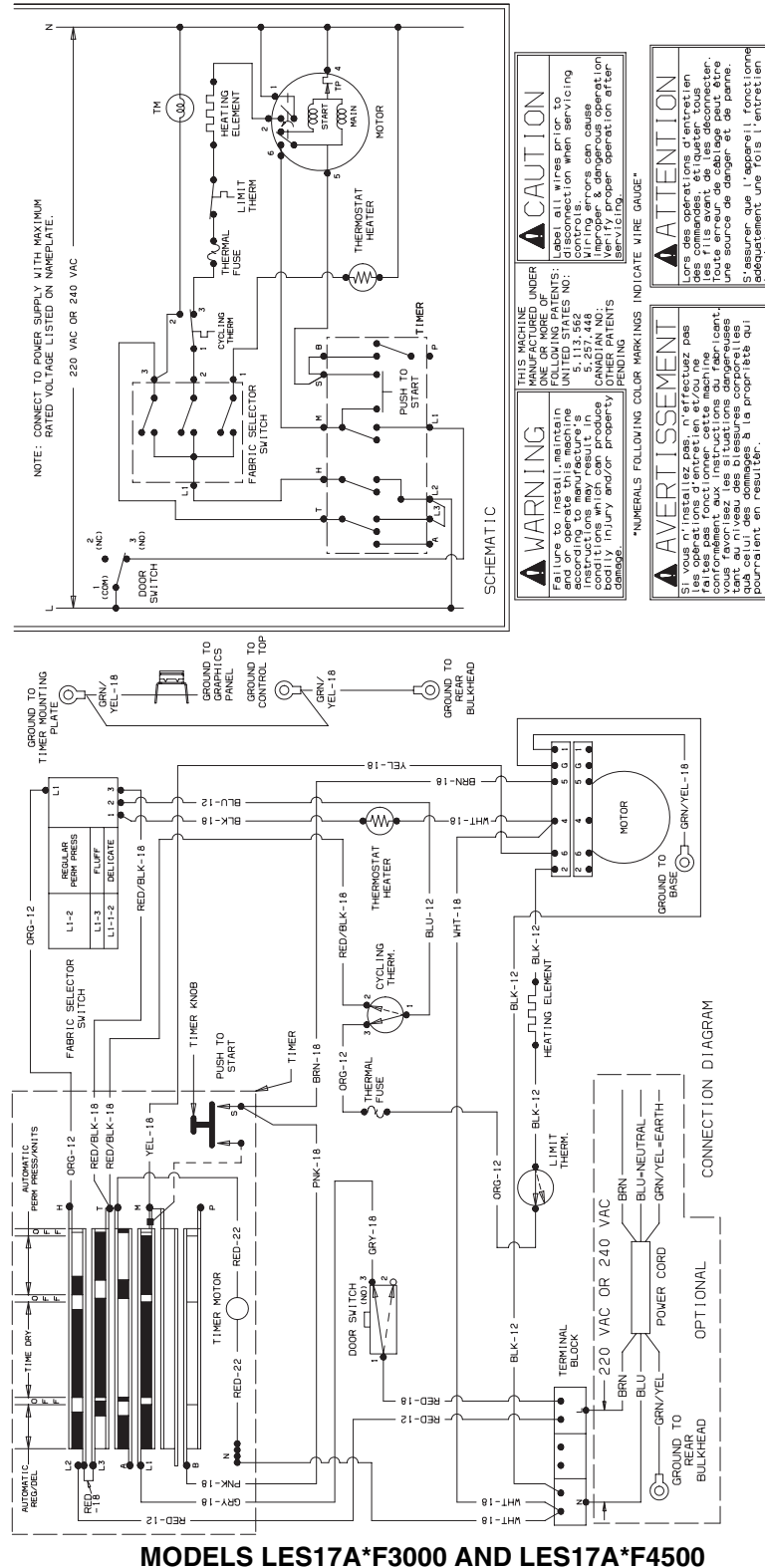
**MODEL LES37A\*F**



## WARNING

**Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.**

W030



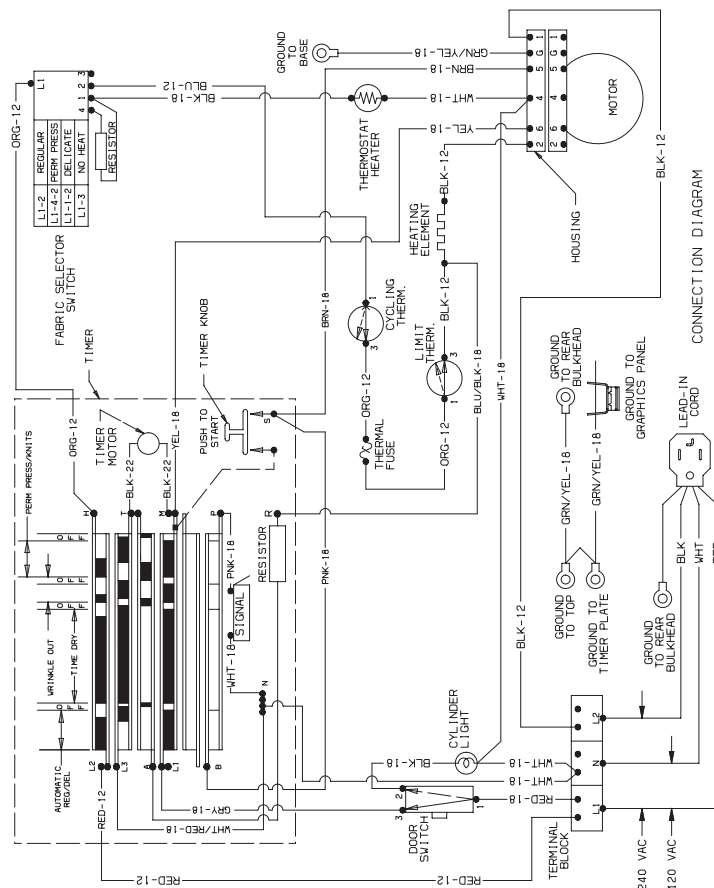
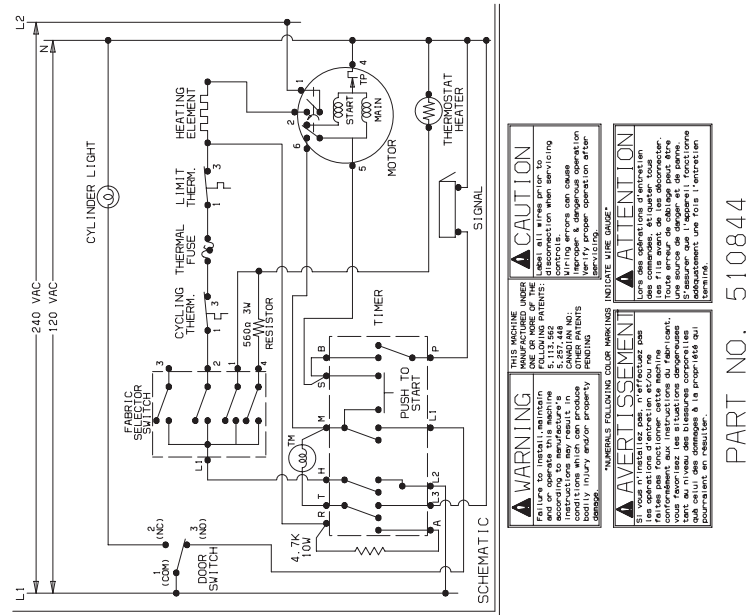
PART NO. 510820



## WARNING

**Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.**

W030



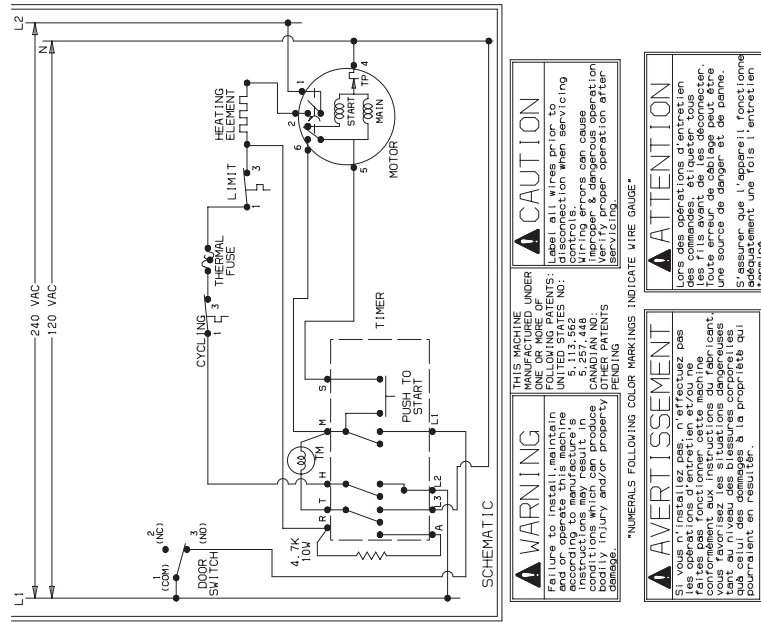
**MODEL LEY47A\*F1709**



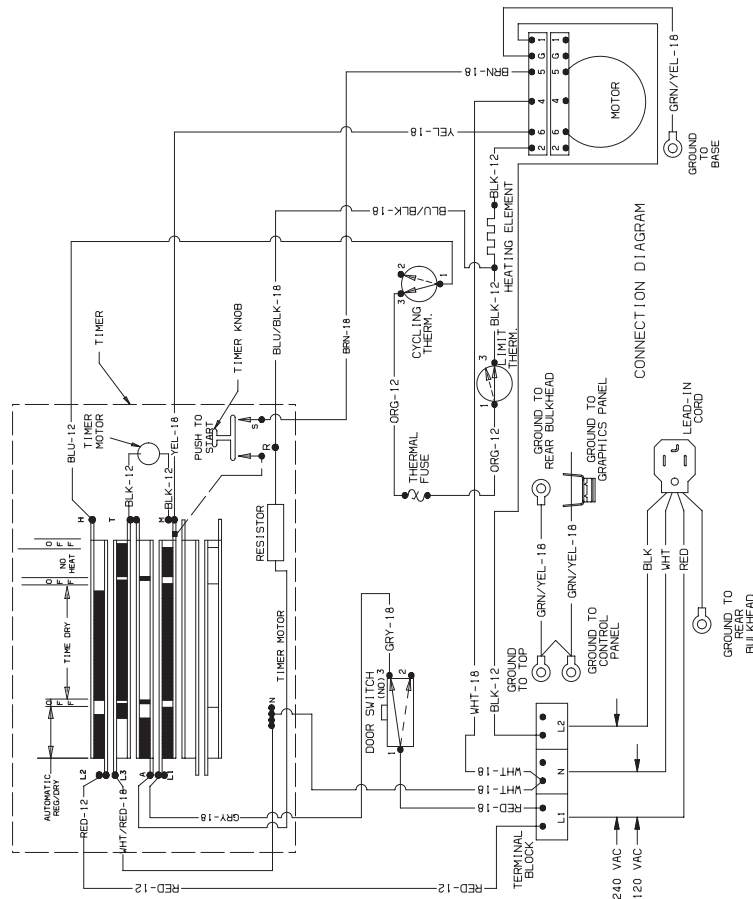
# WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030



PART NO. 510818

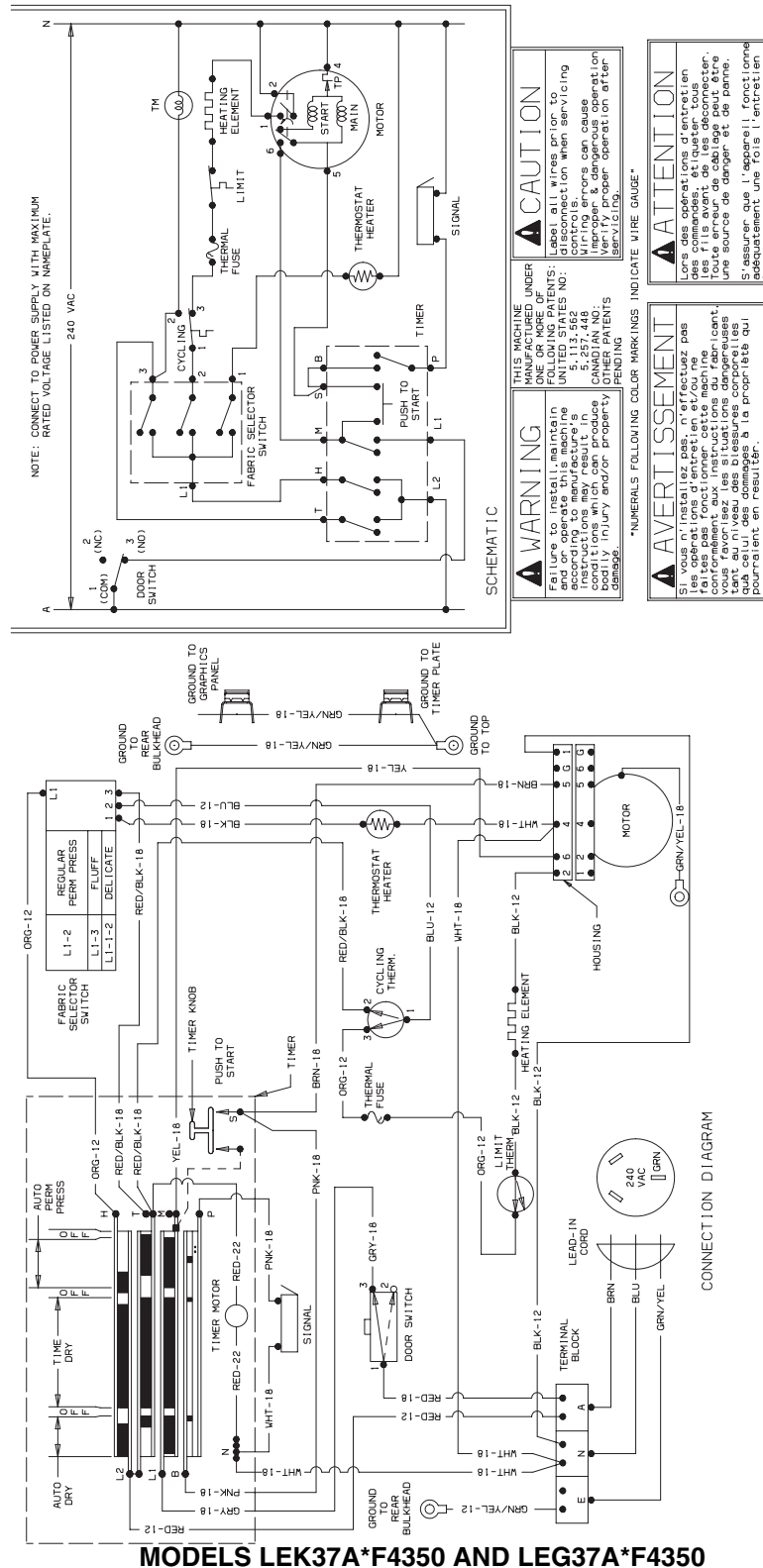




## WARNING

**Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.**

W030



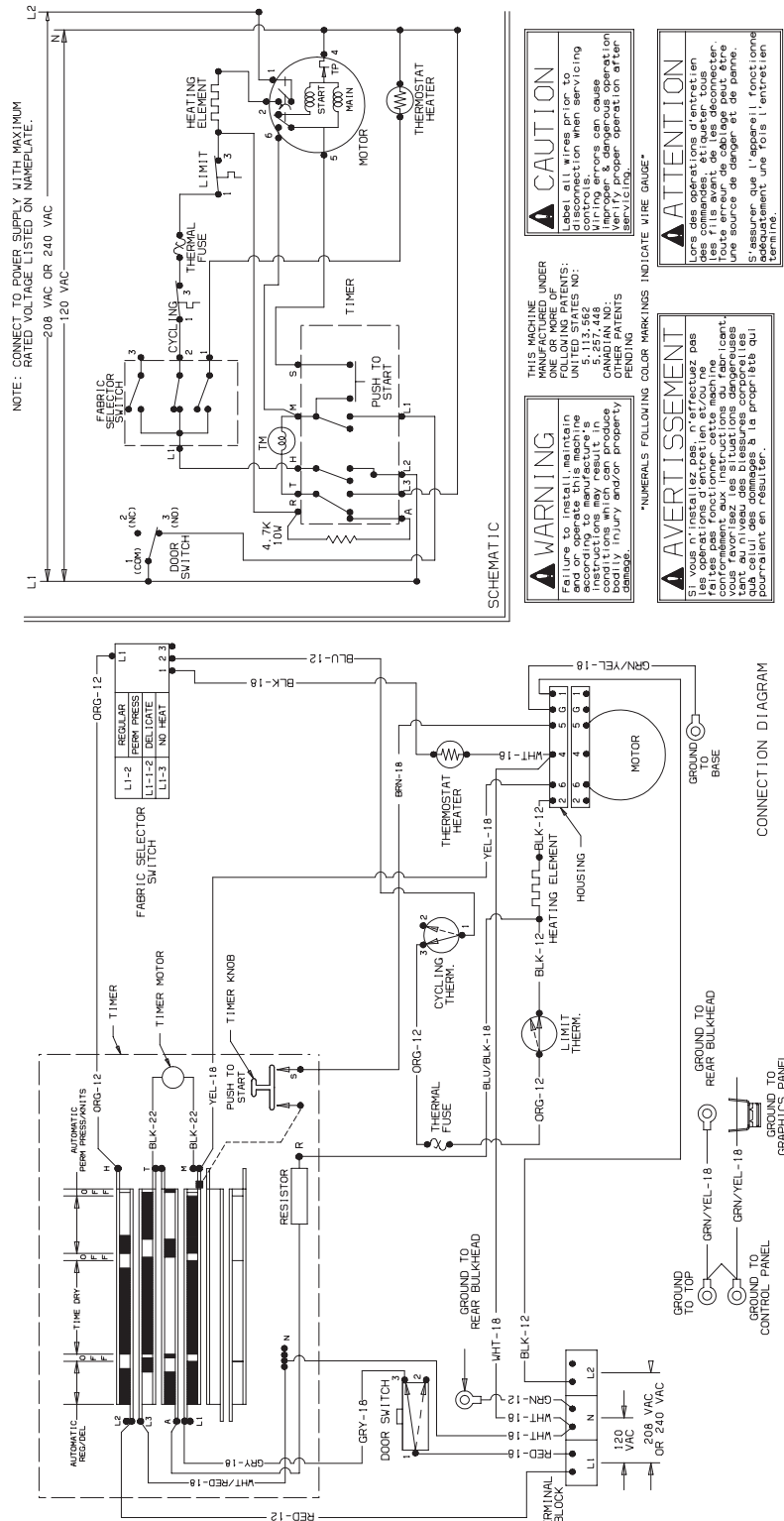
PART NO. 510834



## WARNING

**Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.**

W030



## MODELS LES17A\*F AND LES17A\*F1500

PART NO. 510824R2



**Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.**

**CONNECTION DIAGRAM**

The diagram illustrates the electrical connections for a sewing machine. Key components and their connections include:

- Power Input:** 240 VAC connected to a terminal block (L, N, G).
- Door Switch:** Connected to the power line and a signal line.
- Timer Motor:** Connected to the power line and a signal line.
- Cycling Thermistor:** Connected to the power line and a signal line.
- Thermostat Heater:** Connected to the power line and a signal line.
- Fabric Selector Switch:** Connected to the power line and a signal line.
- Limit Thermistor:** Connected to the power line and a signal line.
- Gas Valve:** Connected to the power line and a signal line.
- Transformer:** Connected to the power line and a signal line.
- Ignitor:** Connected to the power line and a signal line.
- Sensor:** Connected to the power line and a signal line.
- Motor:** Connected to the power line and a signal line.

Wiring is color-coded and labeled with codes like WHT-18, BLK-18, YEL-18, etc. The diagram is divided into two main sections: a top section for the main power and motor, and a bottom section for the control and safety components.

PART NO. 510823

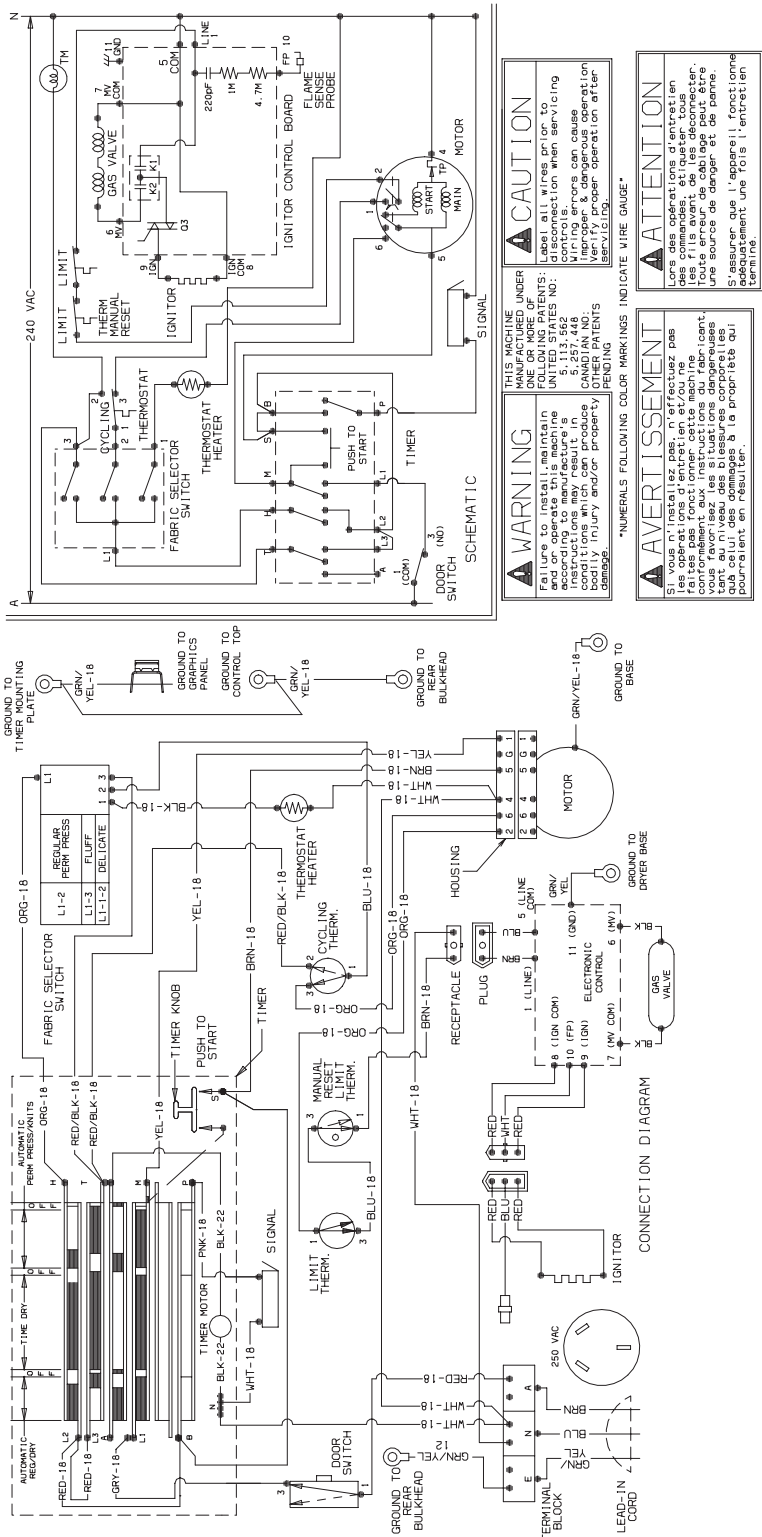
**MODELS LGS37A\*F3000, LGS37A\*F3080 AND LGZ37A\*G3013**



# WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030



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400 mA/250V-T

F2 3. 15A/250V-T

1N ~ 50HZ 240V

FS

TR

1CB

1GN

OSV

K3

K4

BZ

TMR

STR

MN

P

TP

CP

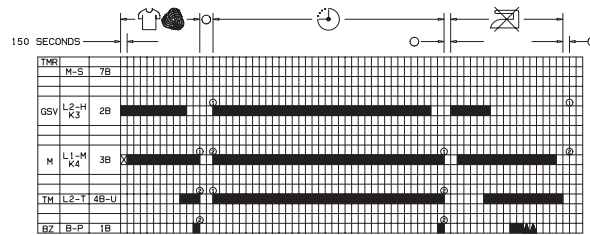
FSS

L1-2

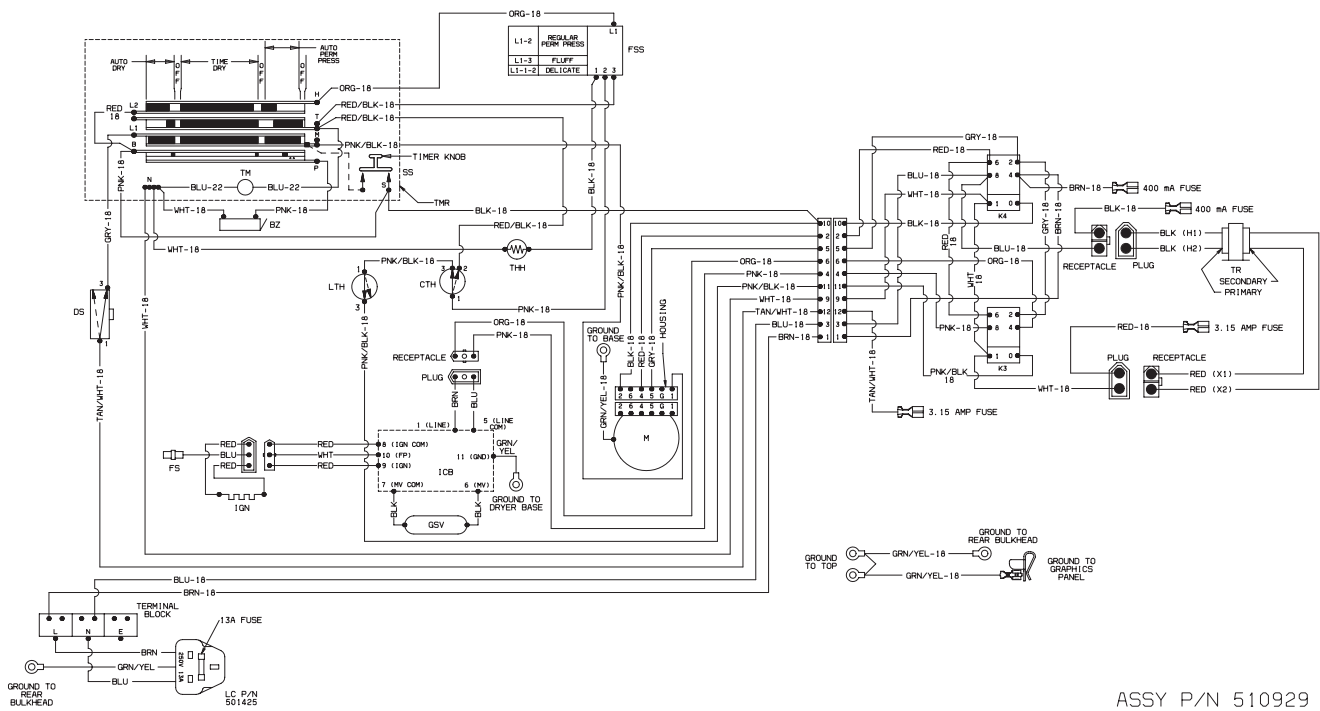
L1-1-2

L1-3

FSS



510923



ASSY P/N 510929  
CONNECTION P/N 510861

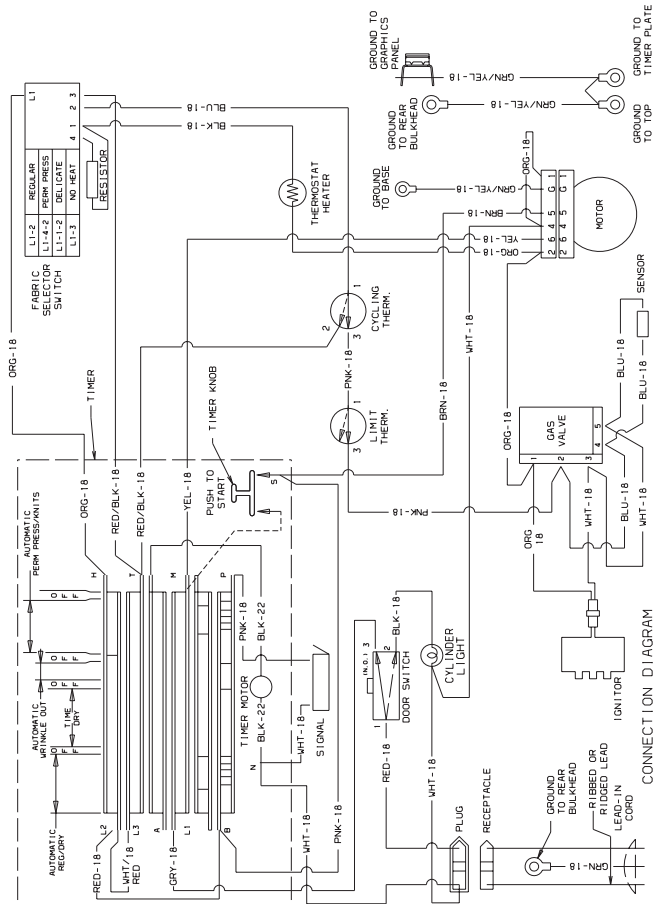
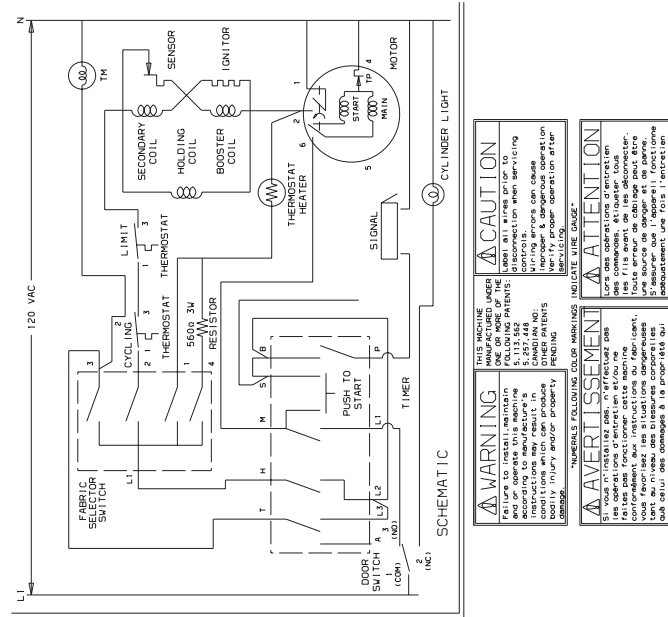
**MODELS LGS37A\*G3013, LGS37A\*F3080 AND LGZ37A\*G3013**



# WARNING

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W030



MODEL LGY47A\*F1109



